

Battelle - PNL  
Page No. 1  
Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999  
Run Time 12:34:39

COURSE: 000002 TITLE: Buchler Beta Irradiator Trg CREATION DT:  
04/22/94 STATUS: A SESSION: N  
LONG TITLE: BUCHLER BETA IRRADIATOR TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 05/11/95 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
1 Y  
TECHNICAL CONTACT: Murphy,Mark K  
SCHEDULE CONTACT: Murphy,Mark K  
REFERENCE:

INTENDED AUDIENCE: People who work related to performing beta  
irradiations in room 113 of 318 building.

SUMMARY: To provide trainees with operational and safety aspects  
related to performing beta irradiations in room 113 of the 318 building  
so that they can perform these irradiations safely, correctly and within  
all PNL and DOE requirements. Operations involve

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COURSE: 000371 TITLE: BSP-175: Handling Benzene CREATION DT:  
10/25/90 STATUS: A SESSION: N  
LONG TITLE: TRAINING TO BIOSAFETY PROTOCOL BP-175: 'BIOSAFETY PROTOCOL  
FOR HANDLING BENZENE.

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Samuels,William D  
SCHEDULE CONTACT: Samuels,William D  
REFERENCE: PNL-MA-43 Section 26.0

INTENDED AUDIENCE: Staff who handle benzene in the PSL Building

SUMMARY: This course reviews the Biosafety Protocol (BSP) for the  
handling of benzene in PSL-601 and PSL-1627.

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COURSE: 000372 TITLE: Beryllium Work-Thin Films BSP CREATION DT:  
03/06/92 STATUS: A SESSION: N  
LONG TITLE: BIOSAFETY PROTOCOL FOR BERYLLIUM WORK INVOLVING SPUTTER  
DEPOSITION OF THIN FILMS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Martin,Peter M  
SCHEDULE CONTACT: Martin,Peter M  
REFERENCE: Work Practices Guide for Environmental Health Sciences  
Division, WPG 8

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INTENDED AUDIENCE: Advanced Materials Section staff who work with beryllium.

SUMMARY: This training provides staff with the safety procedures applicable to the deposition of thin beryllium foils, coatings and optical quality films.

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COURSE: 000375 TITLE: Classified Matter Overview CREATION DT: 02/01/94  
STATUS: A SESSION: N  
LONG TITLE: Classified Matter Protection and Control (CMPC) - Overview

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 09/23/97 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 50.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Carrieria,Una  
SCHEDULE CONTACT: Carrieria,Una  
REFERENCE: DOE Order 471.2-1A, "Classified Matter Protection and Control"

INTENDED AUDIENCE: Cleared staff/non-staff who have direct or potential access to classified matter.

SUMMARY: This course is designed to provide instruction to personnel responsible for preparation, protection and control of classified matter. The overview provides cleared staff/non-staff who work with classified material with the most current information on the protection and control of classified material. It covers the latest security regulations and provides information relating to their security responsibilities in all areas of CMPC.

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COURSE: 000376 TITLE: Cross Connect Control Backflow CREATION DT: 01/01/91  
STATUS: A SESSION: N  
LONG TITLE: CROSS CONNECTION CONTROL BACKFLOW ASSEMBLY TESTER (BAT)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MS  
Maintenance Services

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 32.H 495.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Ballard,Val K  
SCHEDULE CONTACT: Eldhardt,Robin L  
REFERENCE: DOE Order 5480.10

INTENDED AUDIENCE: Crafts Services pipefitters. This training is  
offered through a vendor.

SUMMARY: This course trains and certifies craftsmen to test various  
backflow prevention assemblies.

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COURSE: 000377 TITLE: Cross Connect Cntrl Specialist CREATION DT:  
01/01/91 STATUS: A SESSION: N

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LONG TITLE: CROSS CONNECTION CONTROL SPECIALIST (CCS)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MS  
Maintenance Services  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 32.H 285.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Ballard,Val K  
SCHEDULE CONTACT: Eldhardt,Robin L  
REFERENCE: DOE Order 5480.10

INTENDED AUDIENCE: Crafts Services exempt staff. This training of  
offered through a vendor.

SUMMARY: This course trains and certifies exempt staff to oversee and  
administer a Cross Connection Control Program.

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COURSE: 000378 TITLE: Overhead Crane Insp Electrical CREATION DT:  
04/03/90 STATUS: A SESSION: N  
LONG TITLE: Overhead Crane Inspection Electrical

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MS  
Maintenance Services  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 24.H 425.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Ballard,Val K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS, Hositing, Rigging, Forklifts and Aerial Lifts

INTENDED AUDIENCE: Millwrights who are current certified rigging  
inspectors. This training is offered through FDH.

SUMMARY: This course trains experienced Crafts staff members to become  
Certified Crane Inspectors. This course will cover the Basic  
requirements as stated in the mandating docu  
ments that covers the electrical inspections of overhead cranes as to:  
Referencing all applicable standards used in industry. Case studies in  
support of lessons Learned requir  
ements. Identify different cranes and associated electrical equipment,  
identify components, specify required equipment and explain functions.  
Identify too

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COURSE: 000379 TITLE: Crane/Hoist/Rigging-Initial CREATION DT:  
08/04/87 STATUS: A SESSION: N  
LONG TITLE: CRANE-HOIST AND RIGGING SAFETY

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 08/12/93 3 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 16.H 245.00 RENEWAL COURSE/TIME/INTV:  
000967 3 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS, Hositing, Rigging, Forklifts and Aerial Lifts  
  
INTENDED AUDIENCE: Crane-hoists operators

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SUMMARY: This course develops a working knowledge of safe crane operation. Students are also taught proper rigging techniques, critical lifts procedures and load calculations.

The basic training is for people with no prior experience and will be given both written and performance based testing. Retraining after three years will be 4 hours, with performance based testing.

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COURSE: 000381 TITLE: Forklift Operation - Initial CREATION DT: 08/10/87  
STATUS: A SESSION: N  
LONG TITLE: SAFE FORKLIFT OPERATION

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 08/12/93 2 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 126.00 RENEWAL COURSE/TIME/INTV: 000968 3 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS, Hositing, Rigging, Forklifts and Aerial Lifts

INTENDED AUDIENCE: Forklift operators.

SUMMARY: This course, taught by the PHMC, develops a working knowledge of safe forklift operation per OSHA requirements. The basic training is for people with no prior experience and will be given both written and performance based testing. Retraining after three years will be 8 hours, with performance based testing.

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COURSE: 000385 TITLE: Wire Rope/Rigging Insp Cert CREATION DT: 06/28/89  
STATUS: A SESSION: N  
LONG TITLE: Wire Rope/Rigging Inspection Certification

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MS  
Maintenance Services  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 16.H 519.00 RENEWAL COURSE/TIME/INTV: 001385 3 Y  
TECHNICAL CONTACT: Berger,James E

SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNL-MA-43, Section 8

INTENDED AUDIENCE: Crafts staff members who are selected by management

SUMMARY: This course qualifies students in proper rigging-tackle inspection by covering wire rope inspection, rigging and rigging hardware inspection.

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COURSE: 000386 TITLE: SUPER (Bargaining Unit Supv) CREATION DT:  
02/01/94 STATUS: A SESSION: N  
LONG TITLE: SUPER (BARGAINING UNIT SUPERVISORS TRAINING)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y



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MIN/MAX STUDENTS: 0 /0                      COURSE CATEGORY: MGR Manager  
Training  
REVISION DT/NBR: 0                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 24.H 250.00      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Regnier,Deborah L  
SCHEDULE CONTACT: Regnier,Deborah L  
REFERENCE: 1992 BNW/HAMTC Agreement

INTENDED AUDIENCE: Supervisors/managers

SUMMARY: This program consists of bargaining unit supervisor/manager  
training covering contract language interpretation, grievance handling,  
communication, absenteeism and insu  
bordination.

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COURSE: 000387 TITLE: Vibration Control Training                      CREATION DT:  
09/29/87                      STATUS: I      SESSION: N  
LONG TITLE: VIBRATION CONTROL TRAINING

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 5 Y  
MIN/MAX STUDENTS: 0 /0                      COURSE CATEGORY: MS  
Maintenance Services  
REVISION DT/NBR: 0                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Ballard,Val K  
SCHEDULE CONTACT: Ballard,Val K  
REFERENCE: 29 CFR 1910.120

INTENDED AUDIENCE: Staff members who need to recognize and identify  
abnormal vibration in rolling element equipment.

SUMMARY: Students are instructed on methods of identification of  
abnormal vibration in rolling element equipment and use of the IRD 818  
Vibration Data Collector.

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COURSE: 000388 TITLE: Level One Calibration                      CREATION DT:  
05/08/85                      STATUS: A      SESSION: N  
LONG TITLE: LEVEL ONE CALIBRATION (LISTED AS LEVEL ONE CALIBRATION)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MS  
Maintenance Services  
REVISION DT/NBR: 04/23/91 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Kratzer,Charles A  
SCHEDULE CONTACT: Kratzer,Charles A  
REFERENCE: PAP-70-1201

INTENDED AUDIENCE: Crafts Services staff who are involved with  
calibration of measuring and testing equipment (computer cadre excluded)

SUMMARY: This retraining reviews the Crafts Services Category One  
Calibration Program. Specific technical aspects of the program are  
addressed.

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COURSE: 000398 TITLE: Groundwater Well Access/Samplin CREATION DT:  
08/01/92 STATUS: A SESSION: N  
LONG TITLE: NON ROUTINE GROUNDWATER WELL ACCESS AND SAMPLING POLICY

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Opitz,Brian E  
SCHEDULE CONTACT: Opitz,Brian E  
REFERENCE: WHC-MR-0039, Strategy for Handling and Disposing of  
Purgewater at the Hanford Site, Washington

INTENDED AUDIENCE: Staff members in the Environmental Characterization  
and Risk Assessment department who have agreed to use a Hanford Site  
groundwater well in the conduct of their work.

SUMMARY: This course includes the definition of non-routine sampling, a  
description of the purge water control strategy document and its  
developmental history, application of the strategy document to well sampling activities, a description of the  
"No-Dump" list, requirements for the process of requesting a well  
sampling or assessment and a list of the individuals to be contacted in case of questions.

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COURSE: 000400 TITLE: 300 Area Emergency Control Ctr CREATION DT:  
10/01/92 STATUS: I SESSION: N  
LONG TITLE: 300 AREA EMERGENCY CONTROL CENTER ANNUAL TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schuette,John B  
SCHEDULE CONTACT: Schuette,John B  
REFERENCE: PNL-MA-11

INTENDED AUDIENCE: 300 Area Emergency Control Center staff members.  
This training is offered through FDH.

SUMMARY: This course explains roles and responsibilities, operation procedures and test effectiveness through exercises, drills and/or tabletops.

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COURSE: 000401 TITLE: DOE Long Term Advisory Team CREATION DT: 05/03/89 STATUS: I SESSION: N  
LONG TITLE: DOE LONG TERM ADVISORY TEAM (LTAT) - PNNL SENIOR MANAGEMENT REPRESENTATIVE

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 03/29/93 1 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Schuette,John B

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SCHEDULE CONTACT: Schuette, John B  
REFERENCE: PNL-MA-11

INTENDED AUDIENCE: Long-term advisory representatives and their alternates. This training is offered through FDH.

SUMMARY: This course will review the role of the Long Term Advisory Team and the role of the PNL representative to the Long Term Advisory Team. The training will also review the roles of the Unified Dose Assessment Center (UDAC), the Joint Information Center (JIC), Emergency Operations Center (EOC), 300 Area Emergency Control Center (ECC), the Event Command Post (ECP), the Occurrence Notification Center (ONC), and the emergency response levels.

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COURSE: 000402 TITLE: BED Trg-Office-Type Facilities CREATION DT: 06/30/94 STATUS: A SESSION: N  
LONG TITLE: Building Emergency Director Training for PNNL leased/owned Facilities, DOE leased Facilities and other Office Type Facilities

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 09/01/99 4 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Schuette, John B  
SCHEDULE CONTACT: Schuette, John B  
REFERENCE: SBMS Subject Area - Emergency Preparedness

INTENDED AUDIENCE: Building Emergency Directors and their alternates

SUMMARY: Building Emergency Director training for office type facilities (may include some lab type space as long as there are no 90 day accumulation areas within the facility). This course reviews the role of the Building Emergency Director and the staff reporting to the Incident Command Post (ICP) during an emergency event within their assigned facility.

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COURSE: 000403 TITLE: BED Trg-Lab-Non-Haz-Type Bldgs CREATION DT: 06/30/94 STATUS: A SESSION: N

LONG TITLE: Building Emergency Director Training for PNNL Laboratory  
Type Buildings and other buildings which have 90 day accumulation areas

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0                              COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 09/01/99                      4                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H                      0.00                      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schuette,John B  
SCHEDULE CONTACT: Schuette,John B  
REFERENCE: SBMS Subject Area - Emergency Preparedness

INTENDED AUDIENCE: Building Emergency Directors and their alternates

SUMMARY: Building Emergency Director training for laboratory type  
buildings and other buildings that have 90 day accumulation areas. This  
course reviews the roles of the Building Emergency Director and the staff reporting to the Incident Command  
Post during an emergency event within their assigned facility. For 300  
Areas BEDs, the roles of the EOC support organizations will also be reviewed.

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COURSE: 000404 TITLE: BED Trg - 300 Area Hazard Fac CREATION DT:  
06/30/94 STATUS: A SESSION: N  
LONG TITLE: Building Emergency Director Training for PNNL Hazardous Type  
Facilities - RPL (325 Building)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 09/01/99 4 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schuette,John B  
SCHEDULE CONTACT: Schuette,John B  
REFERENCE: SBMS Subject Area - Emergency Preparedness

INTENDED AUDIENCE: Building Emergency Directors and their alternates  
assigned to the RPL.

SUMMARY: Building Emergency Director training for PNNL hazardous  
facilities that can have an Alert, Site Area, or General Emergency.  
This course reviews the role of the Building Emergency Director during an emergency event within their assigned  
facility. The training will also review the roles of staff reporting to  
the Incident Command Post (ICP) and the DOE/RL Emergency Operations Center (EOC).

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COURSE: 000405 TITLE: Bldg Emergency Org Annual Trg CREATION DT:  
05/03/89 STATUS: A SESSION: N  
LONG TITLE: Building Emergency Organization Annual Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schuette,John B  
SCHEDULE CONTACT: Schuette,John B  
REFERENCE: SBMS Subject Area - Emergency Preparedness

INTENDED AUDIENCE: Zone wardens and personnel accountability staff.  
TO SCHEDULED THIS TRAINING, CONTACT THE BUILDING EMERGENCY DIRECTORS.

SUMMARY: This course trains the Building Emergency Response Organization staff about their roles and responsibilities as zone wardens and personnel accountability staff members  
. Building Emergency Directors provide this training.

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COURSE: 000407 TITLE: BEP - 325 Building CREATION DT: 11/28/90  
STATUS: A SESSION: N  
LONG TITLE: 325 BUILDING EMERGENCY PROCEDURES ANNUAL REVIEW

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 01/02/96 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Sharp,Reed D  
SCHEDULE CONTACT: Sirrs,Anita E  
REFERENCE: PNL-MA-11, Section 2



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INTENDED AUDIENCE: All staff requiring unescorted proximity card access to the 325 Facility are REQUIRED to read this emergency procedure. This is a building entrance requirement. Training access at:  
<http://w3.pnl.gov/facops2/325/train/rpltrain.htm>

SUMMARY: Building Emergency Procedures for anyone housed or working in 325 Building. Training access at:  
<http://w3.pnl.gov/facops2/325/train/rpltrain.htm>

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COURSE: 000409 TITLE: Control Rm Technician Qual CREATION DT: 09/15/94  
STATUS: A SESSION: N  
LONG TITLE: Control Room Technician Qualifications (CRT)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP

Emergency Preparedness

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y

TECHNICAL CONTACT: Sutherland, Michael R

SCHEDULE CONTACT: Kofoed, Raymond J

REFERENCE: PNL-MA-7, Off-Normal Event Reporting System

INTENDED AUDIENCE: All staff assigned to work in the Security Control Room

SUMMARY: This training program, given by the Security Operations Group, is a written exam covering various elements of Security Administrative Procedures, the Hanford patrol Instruction Book, PNL-MA-11, "Emergency Preparedness," and Security Control Room equipment instruction manuals. The test is scored on a pass/fail basis.

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COURSE: 000410 TITLE: Incident Command Post Training CREATION DT: 08/16/94  
STATUS: A SESSION: N  
LONG TITLE: Incident Command Post Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y

MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 4.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schuette,John B  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNL-MA-11, Section 2

INTENDED AUDIENCE: Building Emergency Directors and ICP Communicators  
(and their alternates) of PNNL Hazardous Facilities. This training is  
offered through FDH. Schedule by  
e-mailing Corinne (Cory) Rhoads.

SUMMARY: This training plan will give PNNL Building Emergency Directors  
(and their alternates) of nuclear facilities a comprehensive, structured  
method for managing an emergenc  
y that occurs anywhere within PNNL nuclear facilities.

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COURSE: 000411 TITLE: General Emergency Preparedness CREATION DT:  
05/26/92 STATUS: A SESSION: N

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LONG TITLE: GENERAL EMERGENCY PREPAREDNESS

DELIVERY METHOD: Video RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schuette,John B  
SCHEDULE CONTACT: Allen,Barbara E  
REFERENCE: SBMS Subject Area - Emergency Preparedness

INTENDED AUDIENCE: All staff and non-staff. This course is required within 15 business days after assignment to PNNL owned or managed facilities.

SUMMARY: This course presents an overview of the emergency management program. The presentation includes printed information on the structure of the program, responsibilities of the individual, and role of the emergency management system. This course is required within 15 business days after assignment to PNNL owned or managed facilities.

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COURSE: 000412 TITLE: DOE Emergency Operations Ctr CREATION DT:  
05/03/89 STATUS: A SESSION: N  
LONG TITLE: DOE EMERGENCY OPERATIONS CENTER (EOC) - PNNL SENIOR  
MANAGEMENT REPRESENTATIVE

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 01/09/98 7 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schuette,John B  
SCHEDULE CONTACT: Schuette,John B  
REFERENCE: PNL-MA-11

INTENDED AUDIENCE: Laboratory director and his/her EOC response alternate. This training is offered through FDH.

SUMMARY: This course reviews the role of EOC and the PNNL representative at EOC. The training will also review the roles of the Unified Dose Assessment Center (UDAC), the Join

t Information Center (JIC), the Site Management Team (SMT), the Incident Command Post (ICP), the Occurrence Notification Center (ONC), and the Emergency Action Levels (EALs).

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COURSE: 000413 TITLE: Event Reporting CREATION DT:  
08/23/90 STATUS: A SESSION: N  
LONG TITLE: Event Reporting

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: ONE Event  
Reporting  
REVISION DT/NBR: 05/26/93 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pollari,Roger A  
SCHEDULE CONTACT: Pollari,Roger A  
REFERENCE: SBMS Subject Area - Event Reporting

INTENDED AUDIENCE: Recommended (but optional) for all staff and  
management

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Report ID: PNNL400  
COURSE TABLE  
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Run Time 12:34:39

SUMMARY: This presentation identifies the basic elements and objectives for the system of notification, investigation and reporting of off-normal events (ONEs) for Pacific Northwest National Laboratory operations.

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COURSE: 000414 TITLE: Off-Normal Event Categorization CREATION DT: 10/03/95  
STATUS: I SESSION: N  
LONG TITLE: OFF-NORMAL EVENT CATEGORIZATION - FACILITY MANAGER RESPONSIBILITIES

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: ONE Event Reporting  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Pollari, Roger A  
SCHEDULE CONTACT: Pollari, Roger A  
REFERENCE: DOE Order 5000.3B

INTENDED AUDIENCE: Facility Manager/F&O Duty Officers.

SUMMARY: The presentation introduces the Facility Manager to the purpose and various elements of the Off-Normal Event categorization determination process and the associated responsibilities of Facility Manager/Duty Officer; including: understanding criteria for reportability; timeliness of determinations and notifications, and who must be notified and when; what must be reported; and how to change the level of categorization after a report has been entered into the DOE Occurrence Reporting and Processing

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COURSE: 000418 TITLE: Reading Blueprints CREATION DT: 10/06/92  
STATUS: A SESSION: N  
LONG TITLE: Reading Blueprints

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y

TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades. SUGGESTED AUDIENCE

SUMMARY: This training will examine blueprint drawings used in all phases of industrial plants. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000419 TITLE: Reading Schematics and Symbols CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Reading Schematics and Symbols

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y

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Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999

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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PPNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades. SUGGESTED AUDIENCE

SUMMARY: This training covers all types of schematics and symbols used  
in commercial and industrial settings. TPC in-house study program: PNL  
Power Operators and staff will perform self training (check out manuals). A test will be provided by  
the Utility Operations supervisor upon completion in accordance with TPC  
program procedures.

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COURSE: 000420 TITLE: Protecting Your Health & Safety CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Protecting Your Health and Safety in the plant

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audience

SUMMARY: This training introduces the subject of safety and its  
importance in the work environment. TPC in-house study program: PNL  
Power Operators and staff will perform self

f training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000421 TITLE: Troubleshooting Skills CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Developing Troubleshooting Skills

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training examines actual troubleshooting techniques, aids in troubleshooting, solving mechanical and electrical problems. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.



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Run Date 10/13/1999

Run Time 12:34:39

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COURSE: 000422 TITLE: How Power Plants Work CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: How power plants work

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

#### Suggested Audience

SUMMARY: This training explains the basic steam generation system, and  
how thermal energy is converted into electrical energy. Also covered  
are design features for maximizing efficiency. TPC in-house study program: PNL Power Operators and staff  
will perform self training (check out manuals). A test will be provided  
by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000423 TITLE: Generating Steam - Power Plant CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Generating Steam in the Power Plant

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers the types of boilers and combustion principles and water treatment. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000424 TITLE: Using Steam in the Power Plant CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Using Steam in the Power Plant

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L

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Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999

Run Time 12:34:39

SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training discusses maintenance practices to improve efficiency, boiler instrumentation and controls. Steam turbine and electrical power fundamentals. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000425 TITLE: Introduction to A/C CREATION DT: 10/06/92  
STATUS: A SESSION: N  
LONG TITLE: Introduction to Air Conditioning and Refrigeration

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training explains the principles of heat transfer and the basic refrigeration cycle, air properties, and simple psychometrics. The role of air conditioning and refrigeration in industry. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000426 TITLE: Refrigerants/Refrigerant Oils CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Refrigerants and Refrigerant Oils

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers tools and procedures for working with  
refrigerants, refrigerant oils, maintenance and service of refrigeration  
systems. TPC in-house study program:  
m: PNL Power Operators and staff will perform self training (check out  
manuals). A test will be provided by the Utility Operations supervisor  
upon completion in accordance with TPC program procedures.

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COURSE TABLE  
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COURSE: 000427 TITLE: A/C & Refrigeration Compressor CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Air Conditioning and Refrigeration Compressors

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training is an introduction to compressors, reciprocating  
compressors, compressor motors, control and protection devices. TPC in-  
house study program: PNL Power  
Operators and staff will perform self training (check out manuals). A  
test will be provided by the Utility Operations supervisor upon  
completion in accordance with TPC program  
procedures.

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COURSE: 000428 TITLE: A/C & Refrigeration Evaporator CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Air Conditioning and Refrigeration Evaporators

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete

te specific courses for upgrades.

Suggested Audie

SUMMARY: This training explains the operation of direct expansion evaporators and cooling coils, water evaporators and metering devices.

TPC in-house study program: PNL Power

Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures

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COURSE: 000429 TITLE: Condensers and Cooling Towers CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Condensers and Cooling Towers

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

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Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999

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INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers air-water cooled condenser operation, function and maintenance of cooling tower systems and spray ponds. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures

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COURSE: 000430 TITLE: A/C & Refrigeration Piping Sys CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Air Conditioning and Refrigeration Piping Systems

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers piping materials and fittings, explains functions and basic principles of discharge, liquid, and suction lines. Explanations also include horizontal and vertical piping layouts. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000431 TITLE: Air Handling Systems for A/C CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Air Handling Systems for Air Conditioning

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers the basic concepts of air movement,  
filtration, and distribution. Covers fans, motors, ducts, duct  
fabrication and repairs. Explained is airstream testing and system balancing. TPC in-house study program: PNL Power  
Operators and staff will perform self training (check out manuals). A  
test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program  
procedures.

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COURSE: 000432 TITLE: Control Systems for A/C-Refrig CREATION DT:  
10/06/92 STATUS: A SESSION: N



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Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999

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LONG TITLE: Control Systems for Conditioning and Refrigeration

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers operating principles, testing and  
maintenance of pneumatic, electrical, and electronic air condition and  
refrigeration controls. TPC in-house study program: PNL Power Operators and staff will perform self training  
(check out manuals). A test will be provided by the Utility Operations  
supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000433 TITLE: Troubleshooting Refrigeration CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Troubleshooting Refrigeration Systems

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers diagnosing and correcting malfunctions in refrigeration system components, controls, and accessories.

Prerequisite-preceding eight units. TPC in

-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion

in accordance with TPC program procedures.

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COURSE: 000434 TITLE: Troubleshooting A/C CREATION DT:

10/06/92 STATUS: A SESSION: N

LONG TITLE: Troubleshooting Air Conditioning Systems

DELIVERY METHOD: Workbook

RETRAIN TIME/INTERVAL: 0 Y

MIN/MAX STUDENTS: 0 /0

COURSE CATEGORY: UO Utility

Operations

REVISION DT/NBR: 0

EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:

0 Y

TECHNICAL CONTACT: Massey, Jerry L

SCHEDULE CONTACT: Massey, Jerry L

REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

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Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999

Run Time 12:34:39

SUMMARY: This training covers troubleshooting preparation for air conditioning electric/electronic pneumatic controls. It also covers refrigeration circuits. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000435 TITLE: Chemical Hazards CREATION DT: 10/06/92  
STATUS: A SESSION: N  
LONG TITLE: Chemical Hazards

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers chemical hazards-OSHA's Hazard Communication Standard, requirements and reading MSDS. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000436 TITLE: Understanding Basic Electricit CREATION DT: 10/06/92  
STATUS: A SESSION: N  
LONG TITLE: Understanding Basic Electricity and Electronics

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility Operations

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers understanding basic electricity, components, conductors, AC-DC circuits and electronics theory. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures

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COURSE: 000437 TITLE: Providing Electrical Protection CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Providing Electrical Protection and Safety

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y

Battelle - PNL  
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Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999

Run Time 12:34:39

MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers electrical safety-national electrical  
code applications for grounding identification, conductors and conduits.  
Covers protection devices for over  
current protection. TPC in-house study program: PNL Power Operators  
and staff will perform self training (check out manuals). A test will  
be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000438 TITLE: Operating/Maintaining 3-Phase CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Operating and Maintaining Three-Phase Systems

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers the three-phase motor principles and maintenance practices for induction motors, synchronous motors and multi-speed dual-voltage motors. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000439 TITLE: Basic A/C Control Equipment CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Understanding Basic AC Control Equipment

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers A/C control equipment - motor starters, switches, timers, and relays. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999

Run Time 12:34:39

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COURSE: 000440 TITLE: Electrical Troubleshooting CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Developing Electrical Troubleshooting Skills

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

#### Suggested Audie

SUMMARY: This training covers developing troubleshooting skills for  
control circuits, motor starters AC-DC motors, control devices. Use of  
schematic diagrams and short cuts.  
TPC in-house study program: PNL Power Operators and staff will perform  
self training (check out manuals). A test will be provided by the  
Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000441 TITLE: Introduction to Microcomputers CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Introduction to Microcomputers

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers an introduction to computers, computer hardware, software, micro-processors and their applications. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000442 TITLE: Working With Controllers CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Working with Controllers

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Massey, Jerry L



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Report ID: PNNL400  
COURSE TABLE  
Run Date 10/13/1999

Run Time 12:34:39

SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers types of controllers and their operation, including instruction on installation, testing, tuning, and maintenance. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000443 TITLE: How Control Loops Operate CREATION DT: 10/06/92  
STATUS: A SESSION: N  
LONG TITLE: How to Control Loops Operate

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training examines the functioning of several types of control loops and component devices. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000444 TITLE: Computers In Process Control CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Computers in Process Control

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers the role of computers used in data  
logging, direct control, integrated control systems, and system  
management. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals).  
A test will be provided by the Utility Operations supervisor upon  
completion in accordance with TPC program procedures.

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COURSE: 000445 TITLE: Programmable Controllers CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Basic Industrial Programmable Controllers

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training is an introduction to programmable controllers,  
input/output devices, processing and programming functions. TPC in-  
house study program: PNL Power Operations and staff will perform self training (check out manuals). A test  
will be provided by the Utility Operations supervisor upon completion in  
accordance with TPC program procedures.

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COURSE: 000446 TITLE: Pumps CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Pumps

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete

te specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers pump development, applications, and maintenance. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000447 TITLE: Piping Systems CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Piping Systems

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

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COURSE TABLE  
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INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers piping systems design, materials, and accessories. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000448 TITLE: Basic Hydraulics CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Basic Hydraulics

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers understanding basic hydraulics system dynamics and control. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000449 TITLE: Basic Pneumatics CREATION DT:  
10/06/92 STATUS: A SESSION: N

LONG TITLE: Basic Pneumatics

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers understanding basic pneumatics-compressor  
operation and control. TPC in-house study program: PNL Power Operators  
and staff will perform self training (check out manuals). A test will be provided by the Utility  
Operations supervisor upon completion in accordance with TPC program  
procedures.

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COURSE: 000450 TITLE: Pneumatic Troubleshooting CREATION DT:  
10/06/92 STATUS: A SESSION: N

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LONG TITLE: Pneumatic Troubleshooting

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers developing pneumatic troubleshooting  
skills-system maintenance and troubleshooting procedures. TPC in-house  
study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be  
provided by the Utility Operations supervisor upon completion in  
accordance with TPC program procedures.

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COURSE: 000451 TITLE: Examining Energy Conservation CREATION DT:  
10/06/92 STATUS: A SESSION: N  
LONG TITLE: Examining Energy Conservation Basics

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers energy and its source, consumption and loss-conservation measures. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000452 TITLE: Reducing Energy Losses in Bldg CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Reducing Energy Losses in Building Structures

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie



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SUMMARY: This training covers heat transfer and effects of elements on building structures and controlling energy losses through effective construction. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000453 TITLE: Increasing Heating/Cooling Sys CREATION DT: 10/06/92  
STATUS: A SESSION: N  
LONG TITLE: Increasing Heating/Cooling System Efficiency

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers managing air flow in HVAC systems-reducing losses in distribution systems. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000454 TITLE: Conserving Energy In Mechanical CREATION DT: 10/06/92  
STATUS: A SESSION: N  
LONG TITLE: Conserving Energy in Mechanical Systems

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: UO Utility  
Operations

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on their knowledge of Utility Operations and various other skills. Power operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers reducing mechanical system stress caused by friction-vibration with proper maintenance lubrication programs. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000455 TITLE: Conserving Energy In Electrical CREATION DT: 10/06/92 STATUS: A SESSION: N  
LONG TITLE: Conserving Energy in Electrical Systems

DELIVERY METHOD: Workbook RETRAIN TIME/INTERVAL: 0 Y

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MIN/MAX STUDENTS: 0 /0                      COURSE CATEGORY: UO    Utility  
Operations  
REVISION DT/NBR:                      0                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H           0.00    RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers the surveying of electrical consumption  
using load management techniques. TPC in-house study program: PNL  
Power Operators and staff will perform  
self training (check out manuals). A test will be provided by the  
Utility Operations supervisor upon completion in accordance with TPC  
program procedures.

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COURSE: 000456    TITLE: Introduction-Water Technology            CREATION DT:  
10/06/92           STATUS: A    SESSION: N  
LONG TITLE: Introduction to Water Technology

DELIVERY METHOD: Workbook                      RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0                      COURSE CATEGORY: UO    Utility  
Operations  
REVISION DT/NBR:                      0                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 10.H           0.00    RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massey, Jerry L  
SCHEDULE CONTACT: Massey, Jerry L  
REFERENCE: DOE-5480.20A

INTENDED AUDIENCE: PNL power operators with a desire to improve on  
their knowledge of Utility Operations and various other skills. Power  
operators are also required to complete specific courses for upgrades.

Suggested Audie

SUMMARY: This training covers the effects of chemical and biological factors on the purity of water introductory background for waste-water treatment. TPC in-house study program: PNL Power Operators and staff will perform self training (check out manuals). A test will be provided by the Utility Operations supervisor upon completion in accordance with TPC program procedures.

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COURSE: 000457 TITLE: Time Document Training CREATION DT: 12/01/86 STATUS: A SESSION: N  
LONG TITLE: TIME DOCUMENT TRAINING

DELIVERY METHOD: Video RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: FIN Finance  
REVISION DT/NBR: 04/25/94 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Bampton, Angus C  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: PNL-MA-521

INTENDED AUDIENCE: All PNNL Staff.

SUMMARY: This is a video program outlining the purpose of accurate time reporting. Detailed instruction on completion of a time card is included.

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COURSE: 000480 TITLE: Fpmss-Field Property Managemen CREATION DT:  
10/01/91 STATUS: A SESSION: N  
LONG TITLE: FPMSS-FIELD PROPERTY MANAGEMENT SUPPORT SYSTEM

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Johnson,Stacie M  
SCHEDULE CONTACT: Johnson,Stacie M  
REFERENCE:

INTENDED AUDIENCE: For anyone who obtains access to the IRM Sequent  
computer and authorization to the field property management support  
system (FPMSS) project. (New Property R  
epresentative)

SUMMARY: FPMSS is a hands-on training session for using the FPMSS  
project on the IRM Sequent computer to access and update property  
management information. It describes the in  
formation that can be accessed and how to retrieve and update this  
information.

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COURSE: 000481 TITLE: Computer Security, ISC Trng CREATION DT:  
04/20/90 STATUS: A SESSION: N  
LONG TITLE: COMPUTER SECURITY, UNCLASSIFIED, FOR INFORMATION SECURITY  
CONTACTS

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 12/01/93 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Fluckiger,Jerry D  
SCHEDULE CONTACT: Fluckiger,Jerry D  
REFERENCE: Administrative Guide for Unclassified Computer Security

INTENDED AUDIENCE: Designated Information Security Contacts (ISCs).  
Suggested Audience: Managers of ISCs

SUMMARY: This training introduces the security program at PNL, assures ISOs are aware of their responsibilities, makes ISOs aware of where help is available and what their priorities are in the implementation of their organizations program.

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COURSE: 000499 TITLE: MESHA: Confined Space Entry CREATION DT: 07/01/91 STATUS: I SESSION: N  
LONG TITLE: MANAGER'S ES&H AWARENESS: CONFINED SPACE ENTRY

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MES  
Manager's ES&H Awareness  
REVISION DT/NBR: 10/01/92 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pfeiffer,Frederick L

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Run Time 12:34:39

SCHEDULE CONTACT: Pfeiffer, Frederick L  
REFERENCE:

INTENDED AUDIENCE: Immediate managers/supervisors of staff members who enter confined spaces. Building managers who issue confined space entry permits.

SUMMARY: This class will provide the attendees with an improved understanding of the PNNL confined space entry program and their role in it. Topics will include definitions, confined space classifications, entry requirements, permit requirements, and management responsibilities.

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COURSE: 000500 TITLE: MESHA-Respiratory Protection CREATION DT: 11/17/92  
STATUS: A SESSION: N  
LONG TITLE: MESHA: Respiratory Protection Training (Managers Training)

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 11/25/96 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 50.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Nelson, Susan K  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: 29 CFR 1910.134

INTENDED AUDIENCE: Required Audience: All staff who manage, supervise, or oversee staff who use respiratory protection.

SUMMARY: This course provides the fundamentals of respiratory protection and the proper procedures for selecting the appropriate respiratory protection. Access trng at: <http://training.pnl.gov/>

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COURSE: 000505 TITLE: MESHA-Waste Management CREATION DT: 01/04/65  
STATUS: I SESSION: N  
LONG TITLE: MANAGER'S ES&H AWARENESS: WASTE MANAGEMENT

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y

MIN/MAX STUDENTS: 0 /0

COURSE CATEGORY: MES

Manager's ES&H Awareness

REVISION DT/NBR: 0

EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 1.H 0.00

RENEWAL COURSE/TIME/INTV:

0 Y

TECHNICAL CONTACT: McNair,Gary W

SCHEDULE CONTACT:

REFERENCE:

INTENDED AUDIENCE:

SUMMARY:

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COURSE: 000517 TITLE: Authorized Derivative Classifi CREATION DT:  
04/25/86 STATUS: A SESSION: N  
LONG TITLE: New Authorized Derivative Classifier (ADC)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 05/21/98 4 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Bauman,Christine A  
SCHEDULE CONTACT: Bauman,Christine A  
REFERENCE: SBMS Subject Area/Classified Material  
DOE M 475.1-1, "Identifying Classified Information"

INTENDED AUDIENCE: Candidates nominated by the Technical Group Manager  
(TGM) and approved by the Classification Office.

SUMMARY: Familiarizes the Authorized Derivative Classifier (ADC)  
candidate with classification policy and procedures enabling him/her to  
identify classified and sensitive infor  
mation according to approved classification guidance.

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COURSE: 000519 TITLE: PNL Benefits Program CREATION DT:  
01/15/88 STATUS: A SESSION: N  
LONG TITLE: PRESENTATION OF PNL BENEFITS PROGRAM - NEW HIRE ORIENTATION

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HR Human  
Resources  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Massengale,Judy I  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: "Your Battelle Benefits Program" book

INTENDED AUDIENCE: Full-time, regular-salaried new hires within 30  
days of hire and hourly staff transferring to full-time, regular-  
salaried status

SUMMARY: Staff are given an overview of the benefits package at PNL  
including what benefits are available, what they cover and what options  
staff have for additional benefits.

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COURSE: 000521 TITLE: Event Host Training CREATION DT:  
06/30/88 STATUS: A SESSION: N  
LONG TITLE: EVENT HOST TRAINING

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OTH Other  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: WAC 314-16-150 (a liquor administrative law)

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INTENDED AUDIENCE: Staff who serve alcoholic beverages at Battelle functions

SUMMARY: This training covers how to recognize and deal with intoxicated persons and responsibilities of serving alcoholic beverages at Battelle gatherings.

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COURSE: 000527 TITLE: EEO/AA for Managers/Supervisor CREATION DT: 07/01/90  
STATUS: A SESSION: Y  
LONG TITLE: Equal Employment Opportunity/Affirmative Action for Managers and Supervisors

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 15/35 COURSE CATEGORY: HR Human Resources  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Wyrick,Linda M  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE:

INTENDED AUDIENCE: Managers and supervisors

SUMMARY: To familiarize managers with a clear definition of EEO and AA; review current EEO laws; explore prejudices and their influences in the workplace and provide immediate and long-term solutions; examine the responsibilities and liabilities of managers and supervisors.

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COURSE: 000528 TITLE: Sexual Harassment-Mgrs/Supvs CREATION DT: 08/01/89  
STATUS: A SESSION: Y  
LONG TITLE: Sexual Harassment Awareness in the Workforce for Managers and Supervisors

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 15/35 COURSE CATEGORY: HR Human Resources  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 4.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Wyrick,Linda M  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: MA-30, Section 2.2, EEOC Guidelines on Current Issues of  
Sexual Harassment

INTENDED AUDIENCE: Managers and supervisors

SUMMARY: This course heightens the awareness of sexual harassment incidents, policy and procedures; outlines liabilities for managers, supervisors and Battelle; provides hands-on experience in investigation procedures; and expresses Battelle's no-tolerance policy toward any kind of harassment in the workplace.

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COURSE: 000529 TITLE: Sexual Harassment Awareness CREATION DT:  
12/10/90 STATUS: A SESSION: Y

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LONG TITLE: Sexual Harassment Awareness in the Workforce for Staff

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 12/25                      COURSE CATEGORY: HR      Human  
Resources  
REVISION DT/NBR:                      0                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST:      2.H              0.00      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Wyrick,Linda M  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: MA-30, Section 2.2, EEOC Guidelines on Current Issues of  
Sexual Harassment

INTENDED AUDIENCE: All staff except managers and supervisors

SUMMARY: This course heightens the awareness of sexual harassment incidents, policy and procedures; explains how to handle harassment if it arises and how to implement a culture change that is unaccepting of harassment.

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COURSE: 000533    TITLE: Leadership and Human Relations    CREATION DT: 01/04/65    STATUS: A    SESSION: N  
LONG TITLE: LEADERSHIP AND HUMAN RELATIONS LABORATORY (OJAI)

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0                      COURSE CATEGORY: HR      Human  
Resources  
REVISION DT/NBR:                      0                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST:      40.H      1500.00      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Linnen,Sandi K  
SCHEDULE CONTACT: Linnen,Sandi K  
REFERENCE:

INTENDED AUDIENCE: All levels of professionals and managers who wish to participate in experience-based learning that increases their effectiveness in interpersonal communications and group dynamics.

SUMMARY: This laboratory makes use of small groups to provide an opportunity to develop a greater understanding of oneself and to improve inter-personal skills. Participants actively explore their strengths, limitations, and experiences as individuals and as managers.

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COURSE: 000538 TITLE: Substance Abuse Awareness Mgrs CREATION DT:  
01/29/91 STATUS: A SESSION: Y  
LONG TITLE: Substance Abuse Awareness for Managers/Supervisors

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 12/40 COURSE CATEGORY: HR Human  
Resources

REVISION DT/NBR: 02/01/98 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Wagner,Mark O  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area - Substance Abuse Awareness

INTENDED AUDIENCE: Managers and supervisors

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SUMMARY: This course will teach managers/supervisors how to recognize deteriorating job performance or unusual conduct that could be a result of substance abuse and will provide them with intervention techniques consistent with PNNL policies and procedures.

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COURSE: 000541 TITLE: The Battelle Way CREATION DT: 08/01/91  
STATUS: A SESSION: Y  
LONG TITLE: The Battelle Way

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 6 /16 COURSE CATEGORY: HR Human Resources  
REVISION DT/NBR: 10/23/98 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 8.H 70.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: McKenney,Linda N  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS, various A-manuals, Subject Areas, and Home Pages

INTENDED AUDIENCE: Office Professionals (cooperative office education (COE) students, junior, senior, and administrative secretaries and clerks). This 8 hour class is 2 half days.

SUMMARY: To provide a forum for newly hired office professionals to receive an orientation to the organization, identify their role as a staff member of Battelle, establish an immediate network and supply them with an overview of resource materials/contact lists to aid them in their routine work day. This training is also a valuable refresher for current office professionals.

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COURSE: 000543 TITLE: Property Rep Trg - Initial CREATION DT: 01/01/90  
STATUS: A SESSION: N  
LONG TITLE: PROPERTY MANAGEMENT TRAINING FOR PROPERTY REPRESENTATIVES

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OTH Other  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV: 000545 2 Y  
TECHNICAL CONTACT: Smyser,Rex A

SCHEDULE CONTACT: Manley,Jodi K  
REFERENCE:

INTENDED AUDIENCE: Property representatives

SUMMARY: Attendees learn how to follow Property Management procedures, complete inventories, transfer forms, tag requests and perform other Property Management activities.

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COURSE: 000544 TITLE: Property Mgmt Trg-Custodians CREATION DT:  
01/01/92 STATUS: A SESSION: N  
LONG TITLE: PROPERTY MANAGEMENT TRAINING FOR PROPERTY CUSTODIANS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 5 Y



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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OTH Other  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Smyser,Rex A  
SCHEDULE CONTACT: Smyser,Rex A  
REFERENCE:

INTENDED AUDIENCE: Property custodians - This course is optional, not required.

SUMMARY: This training provides managers with an understanding of Property Management requirements.

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COURSE: 000545 TITLE: Property Rep Trg - Retraining CREATION DT:  
01/01/92 STATUS: A SESSION: N  
LONG TITLE: PROPERTY REPRESENTATIVE RETRAINING

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OTH Other  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Smyser,Rex A  
SCHEDULE CONTACT: Smyser,Rex A  
REFERENCE:

INTENDED AUDIENCE: Property representatives. Locate training on Netscape at:  
<http://finance.pnl.gov/Property/>

SUMMARY: This training consists of mini courses: a) General Refresher, b) Equipment Tagging, c) Field Property Management, d) Excessing, e) Capital vs. Expense, and f) Laboratory Equipment Pool. Locate training on Netscape at:  
<http://finance.pnl.gov/Property/>

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COURSE: 000547 TITLE: Essentials of Project Mgmt CREATION DT:  
06/01/92 STATUS: A SESSION: N

LONG TITLE: ESSENTIALS OF PROJECT MANAGEMENT WORKSHOP-PLANNING AND  
CONTROL TECHNIQUES

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0                              COURSE CATEGORY: PMS Project  
Management  
REVISION DT/NBR:                                      0                              EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 16.H    300.00    RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Riethmeier,Douglas H  
SCHEDULE CONTACT: Andrie,Jeffery R  
REFERENCE: PNL-MP-09, Essentials of Project Management

INTENDED AUDIENCE: PNL staff who are responsible for developing and  
maintaining project planning, schedules, budgets and overall project  
control.

SUMMARY: This course expands on content in Essentials of Project  
Management by emphasizing the mechanics of project management. Students  
develop a Work Breakdown Structure, logic networks, schedules and milestones using a class project. This  
course is most effective when it is sponsored by an organization/project  
and a real project is used for class  
room exercises.

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COURSE: 000548 TITLE: MS Project Software Training CREATION DT:  
06/01/92 STATUS: A SESSION: N  
LONG TITLE: MICROSOFT PROJECT SOFTWARE TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: PMS Project  
Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 16.H 350.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Andrie,Jeffery R  
SCHEDULE CONTACT: Andrie,Jeffery R  
REFERENCE:

INTENDED AUDIENCE: PNL staff who are responsible for developing and  
maintaining project planning, budgeting and control. Note: A thorough  
understanding of project management  
concepts and mechanics is important for the success

SUMMARY: This course emphasizes the mechanics of using MS Project  
software to accomplish the essentials of project management, primarily  
planning, budgeting and project control  
. This is a hands-on, computer-based training course which has been  
tailored to PNL's working environment.

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COURSE: 000549 TITLE: Quality Programs New Hire Orie CREATION DT:  
08/30/88 STATUS: A SESSION: N  
LONG TITLE: QUALITY PROGRAMS NEW HIRE ORIENTATION

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality  
Assurance  
REVISION DT/NBR: 08/26/93 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Mucha,John F  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: DOE Order 5700.6C

INTENDED AUDIENCE: All new hires

SUMMARY: This program introduces new staff to elements of our implementation of DOE Order 5600.6C, "Quality Assurance".

Communicate elements of Battelle Northwest's Quality Program to newly hired staff.

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COURSE: 000550 TITLE: PNL-MA-70 Introduction CREATION DT: 09/20/90 STATUS: I SESSION: N  
LONG TITLE: INTRODUCTION TO PNL-MA-70

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality Assurance  
REVISION DT/NBR: 12/10/93 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: King,Betsy C

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SCHEDULE CONTACT: King,Betsy C  
REFERENCE: PNL-MA-70

INTENDED AUDIENCE: Staff assigned to an Impact Level I or II Project  
or Service Activity who perform tasks that could impact the product  
provided to a client

SUMMARY: This course familiarizes the staff member with DOE QA  
requirements, the PNL QA Program structure, and individual  
responsibilities and authority.

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COURSE: 000554 TITLE: Suspect Materials Overview CREATION DT:  
08/16/91 STATUS: A SESSION: N  
LONG TITLE: Suspect Materials Overview

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality  
Assurance  
REVISION DT/NBR: 05/01/97 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Maday Jr,Joseph H  
SCHEDULE CONTACT: Maday Jr,Joseph H  
REFERENCE: DOE O 414.1, Quality Assurance (Draft)

INTENDED AUDIENCE: This course would be useful to any PNNL staff  
member that is in the position of using or discovering S/CIs.

SUMMARY: This overview provides a summary of the Suspect/Counterfeit  
Items problem and the actions required when discovered.

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COURSE: 000555 TITLE: Root Cause Analysis Intro CREATION DT:  
01/04/65 STATUS: A SESSION: N  
LONG TITLE: INTRODUCTION TO ROOT CAUSE ANALYSIS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality  
Assurance  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E

DURATION TIME/INTV/COST: 8.H 152.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Rhoads,Corinne D

SCHEDULE CONTACT: Rhoads,Corinne D

REFERENCE:

INTENDED AUDIENCE: Management and technical personnel as well as  
quality assurance, safety and plant operations and maintenance  
personnel, or anyone involved in the implementa  
tion of a total quality management program.

SUMMARY: This course is an introduction root cause concepts and various  
analysis techniques. Real life examples are used in a small-group  
setting to demonstrate the techniques  
. This course is not an in-depth course in the application of those  
techniques, but is a prerequisite to "Root Cause Analysis Techniques."  
Course material are presented using  
lecture, class discussion and directed work on case studies.

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COURSE: 000556 TITLE: Root Cause Analysis Techniques CREATION DT:  
01/04/65 STATUS: A SESSION: N  
LONG TITLE: ROOT CAUSE ANALYSIS TECHNIQUES - QTRC

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality  
Assurance  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 12.H 353.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE:

INTENDED AUDIENCE: Management and technical staff who may be required  
to perform formal root cause analyses. This training is offered through  
QTRC.

SUMMARY: This course concentrates on skill development in performing  
formal, structured root cause analysis. Participants learn to  
successfully apply structured root cause ana  
lysis techniques to identified problems, develop recommended actions to  
correct immediate situations and prevent their recurrence, and evaluate  
proposed solutions. Course mater  
ials are presented using reading assignments, lectures, class discussion  
and directed work on selected case studies.

Objectives: Introduction, Change Ana

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COURSE: 000558 TITLE: DOE QA Program Reqmts Overview CREATION DT:  
09/07/90 STATUS: I SESSION: N  
LONG TITLE: OVERVIEW OF DOE QA PROGRAM REQUIREMENTS (AND NQA-1)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality  
Assurance  
REVISION DT/NBR: 11/15/91 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 160.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Ryder,Dennis E  
SCHEDULE CONTACT:  
REFERENCE: DOE Order 5700.6C

INTENDED AUDIENCE: Staff who are required to implement requirements  
based on NQA-1

SUMMARY: This course introduces participants to the NQA-1 and provides a brief overview of its content.

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COURSE: 000574 TITLE: RGD Operator Trg-PNNL-RPG-268 CREATION DT: 08/25/88 STATUS: A SESSION: N  
LONG TITLE: Radiation Generating Device Operators Training, Procedure PNNL-RPG-268

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 10/30/90 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Jenson,Evan D  
SCHEDULE CONTACT: Jenson,Evan D  
REFERENCE: PNL-MA-6, Section 9



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INTENDED AUDIENCE: Radiation generating device operators while performing work under RWP 325-99-026, and all revisions therein.

SUMMARY: This device-specific training provides criteria and explains how to document/evaluate work under PNNL-RPG-286 and all revisions therein.

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COURSE: 000575 TITLE: RGD GB650 Operator Training CREATION DT: 03/18/92 STATUS: A SESSION: N  
LONG TITLE: GB650 OPERATOR TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Murphy, Mark K  
SCHEDULE CONTACT: Murphy, Mark K  
REFERENCE: GB650 Operator Training Procedures

INTENDED AUDIENCE: For staff who are being trained or retrained for qualification as operators of the Gammabeam 650 (GB650) Co irradiator located in the 331 Bldg./ room 171

SUMMARY: This presentation includes a review of the Radiation Work Permit (RWP), Safe Operating Procedure (SOP), and discussions of any questions regarding the operation of the facility. A written examination covering important safety aspects is completed by each trainee. For first time trainees, a "hands-on" training of the irradiator is given and two additional supervised irradiations are required before qualification.

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COURSE: 000577 TITLE: DOE-Owned Sealed Source Invent CREATION DT: 04/22/93 STATUS: A SESSION: N  
LONG TITLE: DOE-OWNED SEALED RADIOACTIVE SOURCE CUSTODIAN TRAINING

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y

MIN/MAX STUDENTS: 0 /0  
Radiation Control  
REVISION DT/NBR: 06/10/96 1  
DURATION TIME/INTV/COST: 1.H 0.00  
0 Y  
EXTERNAL/INTERNAL: I  
RENEWAL COURSE/TIME/INTV:  
TECHNICAL CONTACT: Asmund,Verl C  
SCHEDULE CONTACT: Allen,Barbara E  
REFERENCE: SBMS Subject Area - Controlling DOE Sealed Radioactive  
Sources

INTENDED AUDIENCE: Required audience are the DOE Sealed Source  
Custodians.  
Suggested audience are Radiological Control Department engineers,  
Radiological Control Technicians  
(RCT's), RCT supervisors, line managers of staff who

SUMMARY: This course provides a source custodian with the requirements  
for the control and accountability of DOE-owned sealed radioactive  
sources. This course can be found at:  
<http://training.pnl.gov/>

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COURSE: 000578 TITLE: Licensed Radioactive Material CREATION DT:  
04/22/93 STATUS: A SESSION: N

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LONG TITLE: LICENSED RADIOACTIVE MATERIAL CUSTODIAN TRAINING

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 06/10/96 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Asmund,Verl C  
SCHEDULE CONTACT: Allen,Barbara E  
REFERENCE: SBMS Subject Area - Controlling Washington State-Licensed  
Radioactive Material

INTENDED AUDIENCE: Required audience are custodians for Washington  
State-licensed radioactive material.  
Suggested audience are Radiological Control engineers, Radiological Co  
ntrol Technicians (RCTs), RCT supervisors, line mana

SUMMARY: This course provides a source custodian with the requirements  
for the control and accountability of radioactive material, including  
sealed radioactive sources, that ar  
e held under a State of Washington Radioactive Materials License. This  
course can be found at: <http://training.pnl.gov/>

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COURSE: 000634 TITLE: Boat Operator Safety - Initial CREATION DT:  
03/30/90 STATUS: A SESSION: N  
LONG TITLE: BOAT OPERATOR SAFETY TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 16.H 0.00 RENEWAL COURSE/TIME/INTV:  
000635 1 Y  
TECHNICAL CONTACT: Opitz,Brian E  
SCHEDULE CONTACT: Opitz,Brian E  
REFERENCE: SBMS Subject Area - Boat Operations

INTENDED AUDIENCE: Staff members who operate a boat in order to  
conduct their work assignment. This training is offered through a  
vendor (see course description).

SUMMARY: This course is presented by the U.S. Power Squadron of Spokane  
(or equivalent) and is approved by NASBLA and meets boat operation  
licensing requirements.

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COURSE: 000635 TITLE: Boat Operator Safety Refresher CREATION DT:  
05/26/92 STATUS: A SESSION: N  
LONG TITLE: BOAT OPERATOR SAFETY REFRESHER

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 4.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Opitz,Brian E  
SCHEDULE CONTACT: Opitz,Brian E  
REFERENCE: SBMS Subject Area - Boat Operations

INTENDED AUDIENCE: Staff members who operate a boat in order to  
conduct their work assignment. This training is offered through a  
vendor.

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SUMMARY: This course is the refresher to SAF-BOAT. Topics covered include safe boat handling and seamanship, boating equipment, hazards, and regulations.

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COURSE: 000637 TITLE: Basic Medic First Aid/CPR CREATION DT: 09/01/91  
STATUS: A SESSION: N  
LONG TITLE: Basic Medic First Aid/CPR

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OTH Other  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 73.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: Journal of the American Medical Association, Standards and Guidelines for Basic Life Support (CPR-Ju

INTENDED AUDIENCE: Anyone may attend, but typically it is required for their job and approved by management.

SUMMARY: Lecture and Practical exercise in the following skills: primary assesment, one-rescuer CPR, obstructed airway, bleeding control, shock, illness, and injury assessment.

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COURSE: 000638 TITLE: Crit Safety Reps - Classroom CREATION DT: 12/10/90  
STATUS: A SESSION: N  
LONG TITLE: CLASSROOM TRAINING IN CRITICALITY SAFETY FOR CRITICALITY SAFETY REPRESENTATIVES

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.3 and Appendix B

INTENDED AUDIENCE: Designated criticality safety representatives in fissionable material facilities and their alternates

SUMMARY: This course provides classroom training and testing (SAF-CR-001-T) on all portions of PNL-MA-25, Criticality Safety, that are directly applicable to criticality safety representatives in fissionable material facilities. Both parts of this training must be completed successfully before the person is qualified as a criticality safety representative.

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COURSE: 000639 TITLE: Crit Safety Reps - Test CREATION DT: 12/13/90 STATUS: A SESSION: N  
LONG TITLE: TESTING IN CRITICALITY SAFETY FOR CRITICALITY SAFETY REPRESENTATIVES

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 2 Y

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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.3 and Appendix B

INTENDED AUDIENCE: Designated criticality safety representatives in  
fissionable material facilities and their alternates

SUMMARY: This course provides testing on all portions of PNL-MA-25,  
Criticality Safety, that are directly applicable to criticality safety  
representatives in fissionable materi  
al facilities.

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COURSE: 000640 TITLE: Crit Safety-Cognizant Line Mgr CREATION DT:  
06/16/88 STATUS: A SESSION: N  
LONG TITLE: CRITICALITY SAFETY TRAINING FOR COGNIZANT LINE MANAGERS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 12/10/90 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.3 and Appendix B

INTENDED AUDIENCE: Designated cognizant line managers in criticality  
safety in fissionable material facilities

SUMMARY: This course provides training on all portions of PNL-MA-25,  
Criticality Safety, that are directly applicable to cognizant line  
managers (as designated by the criticali  
ty safety program) in fissionable material facilities.

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COURSE: 000641 TITLE: Crit Safety-Isolated Facility CREATION DT:  
06/15/88 STATUS: A SESSION: N

LONG TITLE: CRITICALITY SAFETY TRAINING FOR ISOLATED FACILITY  
REPRESENTATIVES

DELIVERY METHOD:	Instructor Led	RETRAIN TIME/INTERVAL:	2 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	CS
Criticality Safety			
REVISION DT/NBR:	12/10/90 1	EXTERNAL/INTERNAL:	I
DURATION TIME/INTV/COST:	1.H 0.00	RENEWAL COURSE/TIME/INTV:	
0 Y			
TECHNICAL CONTACT:	Dec,Mikolaj		
SCHEDULE CONTACT:	Dec,Mikolaj		
REFERENCE:	PNL-MA-250 and PNL-MA-900		

INTENDED AUDIENCE: Designated isolated facility representatives

SUMMARY: This course provides training on all portions of PNL-MA-25, Criticality Safety, that are directly applicable to isolated facility representatives.



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COURSE: 000642 TITLE: Crit Safety-2718E FMHs-Classrm CREATION DT:  
12/10/90 STATUS: A SESSION: N  
LONG TITLE: CLASSROOM TRAINING IN CRITICALITY SAFETY FOR FISSIONABLE  
MATERIAL HANDLERS IN THE 2718-E BUILDING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.2

INTENDED AUDIENCE: Designated fissionable material handlers and their  
direct supervisors in the 2718-E Building

SUMMARY: This course provides classroom training and testing (Course  
#000643) on a range of subjects involving work with fissionable  
material, including an oral presentation, h  
andout, and videotapes. Training is tailored to the facility and the  
work activity. Both parts of this training must be completed  
successfully before the person can be certifi  
ed for the criticality safety portion of fissionable material handling  
or supervising.

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COURSE: 000643 TITLE: Crit Safety-2718E FMHs - Test CREATION DT:  
02/25/92 STATUS: A SESSION: N  
LONG TITLE: TESTING IN CRITICALITY SAFETY FOR FISSIONABLE MATERIAL  
HANDLERS IN THE 2718-E BUILDING

DELIVERY METHOD: Test RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.2

INTENDED AUDIENCE: Designated fissionable material handlers and their direct supervisors in the 2718-E Building

SUMMARY: This course provides testing on a range of subjects involving work with fissionable material, including an oral presentation, handout, and videotapes. Both parts of this training must be completed successfully before the person can be certified for the criticality safety portion of fissionable material handling or supervising.

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COURSE: 000646 TITLE: Crit Safety-324 FMHs - Classrm CREATION DT: 12/10/90 STATUS: A SESSION: N  
LONG TITLE: CLASSROOM TRAINING IN CRITICALITY SAFETY FOR FISSIONABLE MATERIAL HANDLERS IN THE 324 FACILITIES

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Dec,Mikolaj

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SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.2

INTENDED AUDIENCE: Designated fissionable material handlers and their direct supervisors in the 324-B NDA Support Facility, 324-N Radiochemical Engineering Cells, and 324-SMF Shielded Materials Facilities

SUMMARY: This course provides classroom training and testing (Course #000647) on a range of subjects involving work with fissionable material, including an oral presentation, handout, and videotapes. Training is tailored to the facility and the work activity. Both parts of this training must be completed successfully before the person can be certified for the criticality safety portion of fissionable material handling or supervising.

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COURSE: 000647 TITLE: Crit Safety-324 FMHs - Test CREATION DT: 02/11/92  
STATUS: A SESSION: N  
LONG TITLE: TESTING IN CRITICALITY SAFETY FOR FISSIONABLE MATERIAL HANDLERS IN THE 324 FACILITIES

DELIVERY METHOD: Test RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.2

INTENDED AUDIENCE: Designated fissionable material handlers and their direct supervisors in the 324 Building

SUMMARY: This course provides testing on a range of subjects involving work with fissionable material. Both parts of this training must be completed successfully before the person can be certified for the criticality safety portion of fissionable material handling or supervising.

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COURSE: 000648 TITLE: Crit Safety-325 FMHs - Classrm CREATION DT: 12/10/90  
STATUS: A SESSION: N

LONG TITLE: Classroom Training in Criticality Safety for Fissionable  
Material Handlers in the 325 Facility

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0                              COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 12/05/97      1                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H      0.00      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-250, Criticality Safety Manual, Section 4

INTENDED AUDIENCE: Designated fissionable material handlers and their  
direct supervisors in the 325 Building (e.g., any staff member who works  
directly with more than 3% of a  
minimum critical mass of fissionable materials)

SUMMARY: Classroom training on a range of subjects involving work with  
fissionable materials. Training includes oral presentation, video tapes  
and handouts.

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COURSE: 000649 TITLE: Crit Safety-325 FMHs - Test CREATION DT: 02/11/92  
STATUS: A SESSION: N  
LONG TITLE: TESTING IN CRITICALITY SAFETY FOR FISSIONABLE MATERIAL HANDLERS IN THE 325 FACILITY

DELIVERY METHOD: Test RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.2

INTENDED AUDIENCE: Designated fissionable material handlers and their direct supervisors in the 325 Building

SUMMARY: This course provides testing on a range of subjects involving work with fissionable material. Both parts of this training must be completed successfully before the person can be certified for the criticality safety portion of fissionable material handling or supervising.

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COURSE: 000650 TITLE: Crit Safety-327 FMHs - Classrm CREATION DT: 12/10/90  
STATUS: A SESSION: N  
LONG TITLE: CLASSROOM TRAINING IN CRITICALITY SAFETY FOR FISSIONABLE MATERIAL HANDLERS IN THE 327 FACILITIES

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Dec,Mikolaj  
REFERENCE: PNL-MA-25, Subsection 4.2

INTENDED AUDIENCE: Designated fissionable material handlers and their direct supervisors in the 327 Facility

SUMMARY: This course provides classroom training and testing Course (#000651) on a range of subjects involving work with fissionable material, including an oral presentation, handout and videotapes. Training is tailored to the facility. Both parts of this training must be completed successfully before the person can be certified for the criticality safety portion of fissionable material handling or supervising.

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COURSE: 000651 TITLE: Crit Safety-327 FMHs - Test CREATION DT: 02/11/92 STATUS: A SESSION: N  
LONG TITLE: TESTING IN CRITICALITY SAFETY FOR FISSIONABLE MATERIAL HANDLERS IN THE 327 FACILITIES

DELIVERY METHOD:	Test	RETRAIN TIME/INTERVAL:	2 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	CS
Criticality Safety			
REVISION DT/NBR:	0	EXTERNAL/INTERNAL:	I
DURATION TIME/INTV/COST:	1.H 0.00	RENEWAL COURSE/TIME/INTV:	
0 Y			
TECHNICAL CONTACT:	Dec,Mikolaj		
SCHEDULE CONTACT:	Dec,Mikolaj		
REFERENCE:	PNL-MA-25, Subsection 4.2		

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INTENDED AUDIENCE: Designated fissionable material handlers and their direct supervisors in the 327 Building.

SUMMARY: This course provides testing on a range of subjects involving work with fissionable material. Both parts of this training must be completed successfully before the person can be certified for the criticality safety portion of fissionable material handling or supervising.

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COURSE: 000652 TITLE: PNNL NEPA Compliance CREATION DT: 01/13/93  
STATUS: A SESSION: N  
LONG TITLE: PNNL NEPA Compliance Training Course

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: ENC  
Environmental Compliance  
REVISION DT/NBR: 02/01/95 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 4.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Weeks,Regan S  
SCHEDULE CONTACT: Weeks,Regan S  
REFERENCE: SBMS Subject Area, NEPA Compliance

INTENDED AUDIENCE: All Environmental Compliance Representatives (ECR) responsible for assuring NEPA compliance for PNNL activities and other PNNL staff whose duties involve NEPA compliance responsibilities.

SUMMARY: All Environmental Compliance Representatives (ECR) and other PNNL staff whose duties involve NEPA compliance responsibilities shall become familiar with the contents of the NEPA Compliance Subject area, the DOE NEPA Implementing Procedures (10 CFR 1021) and DOE Order 451.1A.

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COURSE: 000653 TITLE: Fire Extinguisher Awareness CREATION DT: 09/20/90  
STATUS: A SESSION: N  
LONG TITLE: Fire Extinguisher Awareness

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety

REVISION DT/NBR: 11/01/98 4 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Allen,Barbara E  
REFERENCE: PNNL SBMS Subject Areas "Firre Extinguishers" and "Facility  
Fire Protection"

INTENDED AUDIENCE: All staff.

SUMMARY: This course familiarizes staff members with the basic fire response, the procedures for using portable fire extinguishers, and the hazards involved with incipient stage firefighting. Training methods available: classroom or computer-based (CBT) or web-based (WBT). Annual retraining is accomplished using the ES&H Exchange or similar laboratory-wide communications.

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COURSE: 000654 TITLE: Hands-On Portable Fire Extingu CREATION DT:  
12/03/90 STATUS: A SESSION: N



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LONG TITLE: HANDS-ON PORTABLE FIRE EXTINGUISHER TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 2.H 41.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: Fire Trainer P-2000 operation instructions

INTENDED AUDIENCE: Staff members who are trained as fire watchers or  
who are required by project safety plans to be able to use portable fire  
extinguishers. This training is  
offered through HAMMER.

SUMMARY: This training covers the actual use of a portable fire  
extinguisher. Trainees learn about the types, uses and limitations of  
portable fire extinguishers. Trainees de  
monstrate their ability to extinguish a combustible liquid fire. This  
training is conducted by the Hanford Fire Department.

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COURSE: 000655 TITLE: Ruger Model 77/22 Rifle-22 Cal CREATION DT:  
06/24/93 STATUS: A SESSION: N  
LONG TITLE: RUGER MODEL 77/22 RIFLE, 22 CALIBER

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pease,Maurice E  
SCHEDULE CONTACT: Pease,Maurice E  
REFERENCE:

INTENDED AUDIENCE: As applicable.

SUMMARY: Any person at PNNL who uses in their work a Ruger Model 77/22  
Rifle, 22 Caliber.

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COURSE: 000656 TITLE: Remington 870 Shotgun, 12 Ga CREATION DT:  
06/24/93 STATUS: A SESSION: N  
LONG TITLE: REMINGTON MODEL 870 SHOTGUN, 12 GAUGE

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pease,Maurice E  
SCHEDULE CONTACT: Pease,Maurice E  
REFERENCE:

INTENDED AUDIENCE: As applicable.

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SUMMARY: Any person at PNNL who uses in their work a Remington Model  
870 Shotgun, 12 guage.

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COURSE: 000657 TITLE: Dart Guns CREATION DT:  
06/24/93 STATUS: A SESSION: N  
LONG TITLE: DART GUNS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pease,Maurice E  
SCHEDULE CONTACT: Pease,Maurice E  
REFERENCE:

INTENDED AUDIENCE: As applicable.

SUMMARY: Any person at PNNL who uses in their work Dart Guns.

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COURSE: 000658 TITLE: Wichita Arms, Net Guns, 308 CREATION DT:  
06/24/93 STATUS: A SESSION: N  
LONG TITLE: WICHITAT ARMS, NET GUNS, 308 BLANK FIRED

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pease,Maurice E  
SCHEDULE CONTACT: Pease,Maurice E  
REFERENCE:

INTENDED AUDIENCE: As applicable.

SUMMARY: Any person at PNNL who uses in their work a Wichitat Arms, net guns, 308 blank fired.

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COURSE: 000659 TITLE: Savage Mdl 24 Over/Under Rifle CREATION DT:  
06/24/93 STATUS: A SESSION: N  
LONG TITLE: SAVAGE MODEL 24 OVER/UNDER RIFLE/SHOTGUN, 22 AND .410, NSN  
  
DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y

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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pease,Maurice E  
SCHEDULE CONTACT: Pease,Maurice E  
REFERENCE:

INTENDED AUDIENCE: As applicable.

SUMMARY: Any person at PNNL who uses in their work a Savage Model 24  
over/under rifle/shotgun, 22 and .410, NSN.

\*\*\*\*\*

COURSE: 000662 TITLE: HazCom-Solvents CREATION DT:  
03/09/87 STATUS: A SESSION: N  
LONG TITLE: HAZARD COMMUNICATION: SOLVENTS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 07/01/93 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1200

INTENDED AUDIENCE: Non-research staff members, specifically Crafts,  
who work with solvents and flammable liquids.

SUMMARY: This course provides information about hazards, symptoms of  
exposure, and Safe Work Practices and PPE to be employed when working  
with solvents. Specific Material Safe  
ty Data Sheets (MSDSs) for solvents used by Crafts will be covered.

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COURSE: 000663 TITLE: HazCom-Corrosives CREATION DT:  
04/28/87 STATUS: A SESSION: N  
LONG TITLE: HAZARD COMMUNICATION: CORROSIVES

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1200

INTENDED AUDIENCE: Non-research staff members who work with corrosive materials, primarily crafts people.

SUMMARY: This course provides information about the hazards, symptoms of exposure, and Safe Work Practices and PPE to be employed when working with corrosives. Specific Material Safety Data Sheets (MSDSs) for corrosives used by Crafts will be covered.

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COURSE: 000664 TITLE: HazCom-Asbestos CREATION DT:  
10/27/89 STATUS: A SESSION: Y  
LONG TITLE: HAZARD COMMUNICATION: ASBESTOS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 3 /18 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 10/01/96 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Fullmer,Michael W  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1001 and WAC 296-62, -65

INTENDED AUDIENCE: Required Audience: Staff who are involved in  
building maintenance or upkeep (e.g., work control specialists, or  
Crafts, power operators, housekeeping staff  
and their supervisors).

SUMMARY: This hazard communication course provides staff (specifically  
Crafts, power operators, housekeeping staff and their supervisors, as  
well as work control specialists) w  
ith awareness of the presence and hazards of abestos in the buildings  
these staff maintain.

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COURSE: 000665 TITLE: HazCom-Metals CREATION DT:  
03/17/87 STATUS: A SESSION: N  
LONG TITLE: Hazard Communication: Metals

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: WA Communication Standard, WAC 296-62-054 through 296-62-  
05425

INTENDED AUDIENCE: Non-research staff members (specifically  
machinists, pipefitters, sheetmetal workers, millwrights, painters and  
welders) who work with hazardous metals.

SUMMARY: This course provides information about the hazards, symptoms of exposure, and Safe Work Practices and PPE to be employed when working with hazardous metals. Specific metals dealt with by Crafts will be covered..

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COURSE: 000666 TITLE: HazCom: Cleaning Agents CREATION DT: 02/20/87 STATUS: A SESSION: N  
LONG TITLE: Hazard Communication: Cleaning Agents

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 50.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Nelson,Susan K



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SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1200

INTENDED AUDIENCE: Required Audience: Janitors and floor service  
personnel. Suggested Audience: Their supervisors

SUMMARY: This course information about the hazards, symptoms of  
exposure, and Safe Work Practices and PPE to be employed for work  
involving cleaning agents.

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COURSE: 000667 TITLE: HazCom-Solders & Paste Fluxes CREATION DT:  
03/10/87 STATUS: A SESSION: N  
LONG TITLE: HAZARD COMMUNICATION: SOLDERS AND PASTE FLUXES

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1200

INTENDED AUDIENCE: Non-research staff members who work with solders  
and paste fluxes, specifically electricians, instrument technicians,  
pipefitters and welders.

SUMMARY: This course provides information about hazards, symptoms of  
exposure, and the Safe Work Practices and PPE to be employed when  
working with solders and paste fluxes. S  
pecific Material Safety Data Sheets (MSDSs) for solders and paste fluxes  
used by staff will be covered.

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COURSE: 000668 TITLE: HazCom-Cutting & Cooling Oils CREATION DT:  
03/19/87 STATUS: A SESSION: N  
LONG TITLE: Hazard Communication: Cutting and Cooling Oils

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y

MIN/MAX STUDENTS: 0 /0                      COURSE CATEGORY: HC    Hazard  
Communication  
REVISION DT/NBR:                      0                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST:    0.H       50.00    RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1200

INTENDED AUDIENCE: Non-research staff members who work with cutting  
and cooling oils,specifically machinists, millwrights, and pipefitters.

SUMMARY: This course provides information about hazards, symptoms of  
exposure, and the Safe Work Practices and PPE to be employed when  
working with cutting and cooling oils.

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COURSE: 000669 TITLE: HazCom-Paints CREATION DT:  
03/26/87 STATUS: A SESSION: N  
LONG TITLE: Hazard Communication: Paints

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1200

INTENDED AUDIENCE: Non-research staff members, specifically Crafts,  
who work with various types of paints.

SUMMARY: This course provides information on the hazards associated  
with painting systems, and the Safe Work Practices and PPE to be  
employed in working with paints.

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COURSE: 000670 TITLE: HazCom-Pesticides/Fertilizers CREATION DT:  
04/10/87 STATUS: A SESSION: N  
LONG TITLE: Hazard Communication: Pesticides & Fertilizers

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1200

INTENDED AUDIENCE: Non-research staff members (primarily grounds  
people) who apply pesticides and/or fertilizers either routinely or  
intermittently.

SUMMARY: This course provides information about hazards and symptoms of  
overexposure as well as the labelling requirements and Safe Work  
Practices which define proper handling

of pesticides and fertilizers.

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COURSE: 000671 TITLE: HazCom-Laboratory Standard CREATION DT:  
04/29/88 STATUS: A SESSION: Y  
LONG TITLE: Hazard Communication and the Laboratory Standard

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 1 /18 COURSE CATEGORY: HC Hazard  
Communication

REVISION DT/NBR: 01/01/98 5 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Nelson,Susan K

SCHEDULE CONTACT: Rhoads,Corinne D

REFERENCE: SBMS Subject Area - "Chemicals, Working with"; PNNL ES&H  
Support "Chemical Hygiene Plan"; OSHA 29CFR

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INTENDED AUDIENCE: All staff who work with hazardous chemicals, either in the general environment or in the laboratory environment. "Laboratory" and "laboratory use of hazardous chemicals" are applied as defined in the PNNL Chemical Hygiene Plan.

SUMMARY: This course (classroom or on-line) familiarizes staff who work with potentially hazardous chemicals (including lab and non-lab work areas) with the Hazard Communication program, which ensures staff receive information about the hazards of chemicals in their work area, ensures that they know how to access and use material safety data sheets (MSDSs), and ensures that they read and apply labels appropriately. Access web-based training at <http://training.pnl.gov/>.

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COURSE: 000672 TITLE: HazCom-Bloodborne Pathogens CREATION DT: 01/04/95  
STATUS: A SESSION: N  
LONG TITLE: HAZARD COMMUNICATION: BLOODBORNE PATHOGENS - INITIAL

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 4.H 89.00 RENEWAL COURSE/TIME/INTV: 000673 1 Y  
TECHNICAL CONTACT: Nelson, Susan K  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: 29 CFR 1910.1030

INTENDED AUDIENCE: Staff members who are at risk of exposure to blood and/or body fluids in their work environments.

SUMMARY: This initial course, provided by QTRC, familiarizes worker with the primary diseases, basic hazards, and essential protective measures and safe practices which surround the subject of bloodborne diseases. There will be an option for a Hepatitis B shot for any employee who may have a concern with exposure with any bloodborne pathogen contact.  
Each participant has a choice to sign a waiver.

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COURSE: 000673 TITLE: HazCom-Bloodborne Pathogens-R CREATION DT: 09/01/94  
STATUS: A SESSION: N  
LONG TITLE: Hazard Communication: Bloodborne Pathogens Refresher

DELIVERY METHOD: Computer Assisted RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: SBMS Subject Area - "Biological Agents, Working with"; 29 CFR  
1910.1030

INTENDED AUDIENCE: Staff members who have potential occupational  
exposure to blood or other potentially infectious materials, and who  
have previously attended initial bloodborne pathogens training.

SUMMARY: This course provides staff members with refresher training on  
recognizing exposure hazards to bloodborne pathogens in their work  
environment and knowing the work practices to safeguard themselves as well as the appropriate action to take  
should an exposure occur. Emphasis is on Universal Precautions. Staff  
members have the option of attending the PNNL computer based training (CBT) refresher or HEHF's classroom  
refresher (called "Bloodborne Pathogens Update").

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COURSE: 000674 TITLE: HazMat Shipping Representative CREATION DT:  
12/08/89 STATUS: A SESSION: N

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LONG TITLE: Hazardous Material Shipping Representative Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HMS  
Hazardous Material  
REVISION DT/NBR: 06/01/99 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 8.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Webster,Kyle S  
SCHEDULE CONTACT: Webster,Kyle S  
REFERENCE: 49 CFR 171-177, USDOT "Hazardous Materials Regulations"  
PNL-MA-900, "PNNL Hazardous Material Shippi

INTENDED AUDIENCE: Staff members who will serve as points-of-contact  
for hazardous material shipping activities, primarily involved with  
onsite radioactive material shipping a  
ctivities.

SUMMARY: This course introduces the requirements in PNL-MA-900,  
Hazardous Material Shipping Manual and Title 49 Code of Federal  
Regulations for shipping and transporting hazard  
ous materials. Attendees will be trained in the basic requirements for  
preparing hazardous materials for shipment around the Hanford Site and  
between Battelle facilities. A te  
st will be given where 80% is a passing grade.

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COURSE: 000675 TITLE: HazMat Transportation & Whse CREATION DT:  
09/01/93 STATUS: A SESSION: N  
LONG TITLE: Hazardous Material Training For Transportation and Warehouse  
Personnel

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HMS  
Hazardous Material  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Webster,Kyle S  
SCHEDULE CONTACT: Webster,Kyle S  
REFERENCE: PNL-MA-900, Hazardous Material Shipping Manual

INTENDED AUDIENCE: Staff who are involved with loading, unloading and  
transporting hazardous materials for another person's use (e.g. staff  
working at Battelle's 6th Street wa  
rehouse.)

SUMMARY: This course introduces the requirements in Title 49 Code of Federal Regulations for transporting hazardous materials. Attendees will be trained in the guidelines for hazardous materials shipment. A test will be given to the attendees. A passing grade on the test is 80%.

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COURSE: 000676 TITLE: HazMat Shipping - Awareness CREATION DT: 01/31/94 STATUS: A SESSION: Y  
LONG TITLE: Hazardous Mataterials (HazMat) Shipping Awareness Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 5 /24 COURSE CATEGORY: HMS  
Hazardous Material  
REVISION DT/NBR: 03/01/95 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: DOT Hazardous Materials Regulations, 49 CFR, Parts 171-180

INTENDED AUDIENCE: Required Audience: Supervisors of hazmat employees, more specifically, supervisors of these personnel: shipping representatives, transportation personnel, warehouse personnel.



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SUMMARY: This course provides an introduction to the hazardous materials regulations in 49 CFR that govern hazardous materials shipping, geared to the supervisor of hazmat employees. Hazmat employees include shipping representatives, transportation personnel and warehouse personnel.

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COURSE: 000677 TITLE: Hot Work Permit-Bldg Mgr CREATION DT: 06/13/90  
STATUS: I SESSION: N  
LONG TITLE: BUILDING MANAGER HOT WORK PERMIT TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HW Hot Work  
REVISION DT/NBR: 01/12/93 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 80.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Minister, Andrew G  
SCHEDULE CONTACT: Nelson, Susan K  
REFERENCE: PNL-MA-43, Fire Protection

INTENDED AUDIENCE: Building managers

SUMMARY: This course describes the PNL-MA-43 hot work program and emphasizes the building manager's responsibility for controlling hot work.

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COURSE: 000678 TITLE: Hot Work Permit-Facility Engr CREATION DT: 06/21/90  
STATUS: I SESSION: N  
LONG TITLE: FACILITY ENGINEER HOT WORK PERMIT TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HW Hot Work  
REVISION DT/NBR: 02/16/93 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 80.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT:  
SCHEDULE CONTACT:  
REFERENCE: PNL-MA-43, Fire Protection

INTENDED AUDIENCE: Facility engineers

SUMMARY: This course describes the PNL-MA-43 hot work program and emphasizes the facility engineer's responsibility for controlling hot work.

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COURSE: 000679 TITLE: Hot Work Fire Watch Training CREATION DT:  
04/19/90 STATUS: A SESSION: Y  
LONG TITLE: HOT WORK FIRE WATCH TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y

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MIN/MAX STUDENTS: 3 /18 COURSE CATEGORY: HW Hot Work  
REVISION DT/NBR: 01/12/93 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Minister, Andrew G  
SCHEDULE CONTACT: Nelson, Susan K  
REFERENCE: SBMS Subject Area - Fire Prevention When Working with Open  
Flame, Welding, Cutting, or Grinding

INTENDED AUDIENCE: Staff who perform hot work fire watch

SUMMARY: This course will qualify staff members as hot work fire  
watchers as required by PNNL's hot work program.

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COURSE: 000680 TITLE: Hot Work Permit-Craft Supv CREATION DT:  
10/01/91 STATUS: I SESSION: N  
LONG TITLE: CRAFT SUPERVISOR HOT WORK PERMIT TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HW Hot Work  
REVISION DT/NBR: 02/12/93 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 80.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT:  
SCHEDULE CONTACT:  
REFERENCE: PNL-MA-43, Fire Protection

INTENDED AUDIENCE: Craft supervisors

SUMMARY: This course describes the PNL-MA-43 hot work program and  
emphasizes the craft supervisor's responsibility for controlling hot  
work.

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COURSE: 000681 TITLE: Hearing Conservation CREATION DT:  
09/01/90 STATUS: A SESSION: Y  
LONG TITLE: HEARING CONSERVATION

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y

MIN/MAX STUDENTS: 3 /18

COURSE CATEGORY: IS

Industrial Safety

REVISION DT/NBR: 07/31/95 1

EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 1.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Nelson,Susan K

SCHEDULE CONTACT: Rhoads,Corinne D

REFERENCE: SBMS Subject Area - Noise

INTENDED AUDIENCE: Staff members who work in Noise Hazard Areas (equal to or greater than 85 dBA) or perform specified high noise operations.

SUMMARY: This class provides training on the effects of noise on hearing, and helps staff members recognize noise hazards as well as providing instruction on the selection and use of personal hearing protection devices.

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COURSE: 000683 TITLE: Laser Safety Training CREATION DT: 05/01/86  
STATUS: A SESSION: N  
LONG TITLE: Laser Safety Training (WBT)

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 03/05/99 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 85.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Howard,Lowell E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNNL Subject Area, Project Management

INTENDED AUDIENCE: Staff members identified as resident laser users of Class 3B and/or Class 4 laser systems, temporary visitor/guests users of these systems, and their supervisors. Training access at: <http://training.pnl.gov/> under On Line Training.

SUMMARY: This self-paced web-based training (WBT) course is designed to familiarize users of class 3b or class 4 lasers systems and their supervisors with the characteristics, capabilities, and hazards of lasers found at PNNL. This training covers laser fundamentals, classifications, biological effects, as well as required control measures and safe work practices. It overviews the Laboratory's laser safety program with emphasis on the conduct of the Laser Safety Hazard Analysis and the development of t

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COURSE: 000685 TITLE: Laboratory Hood Safety CREATION DT: 08/25/86  
STATUS: A SESSION: N  
LONG TITLE: LABORATORY HOOD SAFETY

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 11/01/96 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 25.00 RENEWAL COURSE/TIME/INTV: 000686 2 W  
TECHNICAL CONTACT: Byrne,Kelly  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: WAC-296-62-110

INTENDED AUDIENCE: Required Audience: All staff who use laboratory hoods.

This training is available online at: <http://training.pnl.gov/>

SUMMARY: This 1-hour course provides the staff members with the fundamentals of laboratory hood safety. The information presented in this course includes the types of hood available at PNNL, their uses and limitations, and safe operation practices. Access trng at: <http://training.pnl.gov/>

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COURSE: 000686 TITLE: Lab Fume Hood Checklist CREATION DT: 07/01/94  
STATUS: A SESSION: N  
LONG TITLE: Laboratory Fume Hood Orientation Checklist

DELIVERY METHOD: Check List	RETRAIN TIME/INTERVAL: 2 Y
MIN/MAX STUDENTS: 0 /0	COURSE CATEGORY: IS
Industrial Safety	
REVISION DT/NBR: 11/01/96 2	EXTERNAL/INTERNAL: I
DURATION TIME/INTV/COST: 0.H 0.00	RENEWAL COURSE/TIME/INTV: 0 Y
TECHNICAL CONTACT: Byrne,Kelly	

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SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area, Using Local Exhaust Ventilation

INTENDED AUDIENCE: All staff members who only use laboratory fume hoods for non-radiological purposes.  
Access trng at: <http://training.pnl.gov/>

SUMMARY: This course provides the staff member with a checklist to familiarize them with the facility and laboratory specific hazards in their work place. Access trng at: <http://training.pnl.gov/>

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COURSE: 000687 TITLE: Initial Rad Work in Fume Hoods CREATION DT: 03/20/96  
STATUS: A SESSION: Y  
LONG TITLE: Radiological Work in Fume Hoods - Initial

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 3 /9 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 50.00 RENEWAL COURSE/TIME/INTV: 000688 2 Y  
TECHNICAL CONTACT: Byrne,Kelly  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area, RCP-3.4.04 Radiological Work in Fume Hoods and on Bench Tops

INTENDED AUDIENCE: Current Rad Worker II and those who use a laboratory hood.

SUMMARY: This course addresses required safe radiological fume hood work practices per Radiological Work in Fume Hoods and on Bench Tops.

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COURSE: 000688 TITLE: RadWork - Fume Hoods Practical CREATION DT: 03/20/96  
STATUS: A SESSION: N  
LONG TITLE: RADIOLOGICAL WORK IN FUME HOODS - Practical

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 85.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Byrne,Kelly  
SCHEDULE CONTACT: Byrne,Kelly  
REFERENCE: SBMS Subject Area, RCP-3.4.04 Radiological Work in Fume Hoods  
and on Bench Tops

INTENDED AUDIENCE: Current Rad Worker IIs who perform radiological  
work in fume hoods and/or on benchtops.

SUMMARY: This course addresses required safe radiological fume hood  
work practices per Radiological Work in Fume Hoods and on Bench Tops.  
This OJT will satisfy 686 (SAF-IS-005  
OJT) for workers conducting radiological work in fume hoods and using  
RCP-3.4.04 as their technical work document. The reading assignment and  
examination 687 (SAF-IS-005RW) are  
prerequisites for the OJT.

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Run Time 12:34:39

COURSE: 000689 TITLE: Motor Vehicle Safety Awareness CREATION DT:  
04/15/87 STATUS: A SESSION: N  
LONG TITLE: MOTOR VEHICLE SAFETY AWARENESS

DELIVERY METHOD: Exportable RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 09/01/94 4 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Allen,Barbara E  
REFERENCE: PNL-MA-43 OS 3.0

INTENDED AUDIENCE: Staff members who drive under the following  
conditions: a) government or Battelle private vehicles, b) private  
vehicles on government/BNW business, and c)  
rental vehicles.

SUMMARY: This course is either a line manager-led course or a self-  
study course. Both courses consist of a handout/reading assignment that  
outlines staff member responsibilities relating to business use of motor vehicles and a video "Motor Vehicle  
Awareness - Easy as ABCD" available from Training & Qualification. For  
off-site staff in locations other than Richland, Sequim, BWO and Portland Offices, a training package is  
available which fulfills training requirements for Motor Vehicle Safety  
as well as

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COURSE: 000690 TITLE: Office Safety CREATION DT:  
01/04/65 STATUS: A SESSION: N  
LONG TITLE: OFFICE SAFETY

DELIVERY METHOD: Video RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 01/04/65 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Allen,Barbara E  
REFERENCE: SBMS Subject Area - Office Safety

INTENDED AUDIENCE: Office personnel

SUMMARY: This briefing on office safety consists primarily of a video titled "Risky Business" which is intended to promote understanding and awareness of potential risks in an office environment. Optional: Staff member may wish to complete the checklist on office safety which is at the end of OS 11.0, "Office Safety" in PNL-MA-43.

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COURSE: 000691 TITLE: Operation of Presto Lift OJT CREATION DT: 12/31/87 STATUS: A SESSION: N  
LONG TITLE: Operation of Presto Lift OJT

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Breault,James J  
SCHEDULE CONTACT: Breault,James J  
REFERENCE: PNL-MA-43, Lee Engineering Co.

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Run Time 12:34:39

INTENDED AUDIENCE: Staff members assigned to the 318 Building who are approved to operate the PRESTO hydraulic lift.

SUMMARY: The trainee will demonstrate awareness and ability aspects of safely operating the Presto Lift Truck, within the 318 Building, per the manufacturer's Operating, Maintenance, and Servicing Instructions..

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COURSE: 000692 TITLE: Lock & Tag-Authorized Staff CREATION DT: 09/17/90  
STATUS: A SESSION: Y  
LONG TITLE: Lock and Tag for Authorized Staff Members

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 3 /18 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 12/31/98 4 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 175.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Kovach,Anthony A  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: Pacific Northwest's SBMS, Lockout/Tagout; Hanford Site Lockout/Tagout Program

INTENDED AUDIENCE: Required Audience: Staff members whose duties include implementation of the lock and tag procedures outlined in Pacific Northwest's SBMS Lockout/Tagout and Hanford Site Lockout/Tagout Program.

SUMMARY: This three and one-half hour course satisfies the training requirements of Section 8, Training, of PNNL SBMS Lockout/Tagout for Authorized Workers. It is designed to familiarize staff members identified as Authorized Workers with both Pacific Northwest and Hanfords Site's Lockout/Tagout Programs. The course addresses a variety of areas relating to its purpose, program terms, training, and documentation requirements as well as the roles and responsibilities of involved staff members and manager

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COURSE: 000693 TITLE: Off-Road Vehicle Safety CREATION DT: 07/01/91  
STATUS: I SESSION: N  
LONG TITLE: OFF-ROAD VEHICLE SAFETY TRAINING

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pease,Maurice E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNL-MA-43, Section OS 3.0

INTENDED AUDIENCE: Staff members who operate vehicles on surfaces  
other than pavement or gravel.

SUMMARY: This lesson is a reading assignment about the off-road travel  
rules. A copy of the rules and a signature sheet will be sent to each  
staff member who requires this tra  
ining.

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COURSE: 000694 TITLE: Confined Space Entry Training CREATION DT:  
01/24/91 STATUS: A SESSION: Y

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COURSE TABLE  
Run Date 10/13/1999

Run Time 12:34:39

LONG TITLE: CONFINED SPACE ENTRY

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 3 /20                              COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 03/31/99                      2                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H                      85.00                      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Kovach,Anthony A  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area - Confined Space Entry

INTENDED AUDIENCE: Required Audience: Those who evaluate confined spaces, enter confined spaces, act as attendants or who Supervise or are Cognizant Line Managers of those who enter confined spaces.

SUMMARY: This course satisfies the training requirements of Standards Based Management System (SBMS) - Confined Space Entry, Procedure 6, Training Staff. It is designed to familiarize staff members who evaluate confined spaces, enter confined spaces, act as attendants, or supervise those who enter confined spaces, with the program. The course addresses a variety of areas relating to its purpose, program terms, confined space hazards, as well as the roles and responsibilities of involved staff members

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COURSE: 000695    TITLE: Eyewash & Shower Awareness                      CREATION DT: 08/01/92  
STATUS: A    SESSION: Y  
LONG TITLE: Emergency Safety Eyewash and Shower Stations Awareness

DELIVERY METHOD: Web Based                              RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 5 /18                              COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 04/15/99                      3                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H                      25.00                      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Wright,Douglas W  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: American National Standards Institute ANSI Z358.1, "Emergency Eyewash and Shower Equipment"

INTENDED AUDIENCE: Required Audience: All PNNL staff and non-PNNL persons who work with or are potentially exposed to hazardous chemicals that could splash..

SUMMARY: This lesson provides training on emergency safety showers and eyewash stations. It consists of a classroom portion and an on-the-job (OJT) exercise. The classroom portion is included as a part of Hazard Communication & the Lab Standard (#000671) classroom version but credit is not given until the OJT exercise is completed at the workplace.

Upon request, the entire #000695 training package can be sent to supervisors who will present the classroom portion and oversee the OJT exercise.

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COURSE: 000696 TITLE: Eyewash & Shower Checklist CREATION DT: 01/31/95  
STATUS: A SESSION: N  
LONG TITLE: Emergency Safety Showers and Eyewash Stations Checklist

DELIVERY METHOD: Check List RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS

Industrial Safety

REVISION DT/NBR: 04/15/99 1 EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y

TECHNICAL CONTACT: Wright,Douglas W

SCHEDULE CONTACT: Nelson,Susan K

REFERENCE: American National Standards Institute ANSI Z358.1, "Emergency Eyewash and Shower Equipment"

INTENDED AUDIENCE: PNNL staff and non-PNNL persons who work with or are potentially exposed to hazardous chemicals that could splash.

Suggested Audience: Supervisors of staff

members who work with or are potentially exposed to hazardous material

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SUMMARY: This course is an orientation exercise which provides familiarization with the emergency equipment (eyewash stations and safety showers) provided for splash accidents.

This exercise (696) is to be performed in conjunction with course 695. The 696 form for completing this exercise is available at classroom of course 695 or can be printed out

from the web version of course 695 accessed at <http://training.pnl.gov>.

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COURSE: 000698 TITLE: Back Injury Prevention CREATION DT: 01/01/91  
STATUS: I SESSION: N  
LONG TITLE: BACK INJURY PREVENTION

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 4.H 165.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Collins,Drue A  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNL-MA-43, Section OS 4.0

INTENDED AUDIENCE: Staff members who have exposure to daily lifting, twisting, and bending type of activities.

SUMMARY: This class is conducted by the Hanford Environmental Health foundation and provides facts about common causes of back injuries, body mechanics, prevention and treatment, and exercises.

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COURSE: 000699 TITLE: Firearms Safety Training-Annua CREATION DT: 08/01/91  
STATUS: A SESSION: N  
LONG TITLE: FIREARMS SAFETY TRAINING-ANNUAL

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 08/20/94 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Pease,Maurice E  
SCHEDULE CONTACT: Pease,Maurice E

REFERENCE: DOE Order 5480.16A

INTENDED AUDIENCE: Staff members who handle, transport or store firearms

SUMMARY: This course provides basic firearms safety information. The safe handling, storage and transportation of firearms is covered. Proper incident/accident reporting is also emphasized. Actual range firing is conducted. Staff members will demonstrate proficiency on all of the firearms they are assigned to use.

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COURSE: 000700 TITLE: Lock & Tag - General Employee CREATION DT: 06/01/92  
STATUS: A SESSION: N  
LONG TITLE: Lock and Tag - General Employee Orientation

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y



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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 11/01/97 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Howard,Lowell E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area - Lockout/Tagout

INTENDED AUDIENCE: All Staff and all badged visitors. Formal retraining for this course is not required, however, an annual review of the material is required by the Hanford Site Lock and Tag Program, provided via ES&H Exchange.

SUMMARY: This lesson describes the Laboratory's lock and tag program and responsibilities. The course is a reading assignment or a short presentation. Access trng at <http://training.pnl.gov/>

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COURSE: 000701 TITLE: Fall Protection CREATION DT: 01/18/92  
STATUS: A SESSION: Y  
LONG TITLE: Fall Protection/Ladders/Roofs/Towers

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 8 /25 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 07/01/93 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 125.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Wright,Douglas W  
SCHEDULE CONTACT: Wright,Douglas W  
REFERENCE: SBMS Subject Area - Heights, Working at

INTENDED AUDIENCE: Anyone who are exposed to working at heights of 10 feet or more (except when gaining access by stepladders or extension ladders under twenty-five feet); climbs fixed ladders over 25 feet; works on roofs or climbs towers.

SUMMARY: This class informs staff members of the requirements of Washington State and OSHA fall protection laws; selection, operation, and care of fall protection equipment; explains the fall protection work plan; describes fall protection on roofs, towers, and fixed ladders. Individual's will be qualified to wear various types of fall protection equipment, and distinguish which equipment is suitable for fall restraint and fall arrest systems.

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COURSE: 000702 TITLE: Fall Protection-Ladder Climbin CREATION DT:  
06/01/93 STATUS: I SESSION: N  
LONG TITLE: FALL PROTECTION-LADDER CLIMBING SAFETY DEVICE

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Collins,Drue A  
SCHEDULE CONTACT: Collins,Drue A  
REFERENCE: 29 CFR 1926.502

INTENDED AUDIENCE: Staff members who are required to climb fixed  
ladders over twenty feet in height.

SUMMARY: This class informs staff members of requirements for  
Washington State fall protection laws; details selection, operation and  
care of ladder climbing safety equipment;  
and explains the fall protection work plan. Individual's will be  
qualified to wear various types of fall protection equipment, and  
distinguish which equipment is suitable for  
fall restraint and fall arrest systems.

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COURSE: 000703 TITLE: Fall Protection-Roofs CREATION DT:  
07/01/93 STATUS: I SESSION: N  
LONG TITLE: FALL PROTECTION-ROOFS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Collins,Drue A  
SCHEDULE CONTACT: Collins,Drue A  
REFERENCE: 29 CFR 1926.502

INTENDED AUDIENCE: Staff members who are required to work on roofs.

SUMMARY: This class informs staff members of requirements for Washington State fall protection laws; details selection, operation and care of fall protection equipment; describes fall protection on roofs and fixed ladders; and explains the fall protection work plan. Individuals will be qualified to wear various types of fall protection equipment, and distinguish which equipment is suitable for fall restraint and fall arrest systems.

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COURSE: 000704 TITLE: Fall Protection-Tower Climbing CREATION DT:  
08/01/93 STATUS: I SESSION: N  
LONG TITLE: FALL PROTECTION-TOWER CLIMBING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Collins,Drue A  
SCHEDULE CONTACT: Collins,Drue A  
REFERENCE: 29 CFR 1926.502

INTENDED AUDIENCE: Staff members who are required to climb towers (atmospheric, monitoring, maintenance, etc.)

SUMMARY: This class informs staff members of requirements for Washington State fall protection laws; details selection, operation and care of tower climbing systems; and explains the fall protection work plan. Individuals will be qualified to wear various types of fall protection equipment, and distinguish which equipment is suitable for fall restraint and fall arrest systems.

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COURSE: 000705 TITLE: National Safety Council Defensive Driving Course CREATION DT: 10/20/93 STATUS: I SESSION: N  
LONG TITLE: NATIONAL SAFETY COUNCIL DEFENSIVE DRIVING COURSE

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 24.H 250.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Pease, Maurice E

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SCHEDULE CONTACT: Pease, Maurice E  
REFERENCE: National Safety Council Defensive Driving Course, Personal  
Computer Version

INTENDED AUDIENCE: Battelle Staff members who are involved in a motor  
vehicle accident while operating a government, Battelle private, or  
rental vehicle directly associated with a government or Battelle private function.

SUMMARY: This course is an interactive computer aided program along  
with a workbook which provides the staff member with the opportunity to  
respond to defensive driving situations and provides a tremendous amount of information for the experienced  
and inexperienced driver.

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COURSE: 000706 TITLE: Firearms Custodian/Alternate CREATION DT:  
01/15/94 STATUS: A SESSION: N  
LONG TITLE: FIREARMS CUSTODIAN/ALTERNATE TRAINING

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pease, Maurice E  
SCHEDULE CONTACT: Pease, Maurice E  
REFERENCE: DOE Order 5480.1A

INTENDED AUDIENCE: Battelle Staff members who are designated as a  
Firearms Custodian or alternate.

SUMMARY: This course, provided as a reading assignment, provides the  
staff member (in conjunction with the Firearms Safety Course, #000699)  
with the information necessary to perform custodial duties as they relate to firearms.

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COURSE: 000714 TITLE: OSRs-327 Building CREATION DT:  
11/20/91 STATUS: I SESSION: N  
LONG TITLE: 327 BUILDING OSR TRAINING

DELIVERY METHOD: Check List RETRAIN TIME/INTERVAL: 2 Y

MIN/MAX STUDENTS: 0 /0  
Operation Safety Requirements  
REVISION DT/NBR: 0  
DURATION TIME/INTV/COST: 1.H 0.00  
0 Y  
TECHNICAL CONTACT: Henderson,John F  
SCHEDULE CONTACT: Henderson,John F  
REFERENCE: 327 Building OSRs, Chapter 7.0 of HEDL-TC-1009, April 1987  
  
INTENDED AUDIENCE: Staff who work on or with OSR-related projects or  
building systems in the 327 Building

SUMMARY: This training familiarizes participants with the contents and  
significance of the facility specific Operational Safety Requirements  
(OSRs) as detailed in the SAR.

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COURSE: 000715 TITLE: RGD Custodian Training CREATION DT: 10/01/94  
STATUS: A SESSION: N  
LONG TITLE: Radiation Generating Device Custodian Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 175.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Barnum,Roscoe L  
SCHEDULE CONTACT: Barnum,Roscoe L  
REFERENCE: SBMS Subject Area - Controlling Radiation-Generating Devices

INTENDED AUDIENCE: Radiation generating device custodians

SUMMARY: This course describes the radiological and nonradiological hazards, safety features, and general operating procedures associated with radiation generating devices.

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COURSE: 000716 TITLE: Resp Protection-Wearers/Issuer CREATION DT: 01/10/85  
STATUS: A SESSION: Y  
LONG TITLE: Respiratory Protection Training - Wearers and Issuers

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 3 /18 COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 06/01/95 4 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 160.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area - Personal Protective Clothing and Equipment, Section "Respiratory Protection"; OS

INTENDED AUDIENCE: All staff members who wear or issue respiratory protection. Respirator qualification consists of a respirator medical exam, maskfit and training. First-time respirator medical examination must come before first-time training. First-time training mu

SUMMARY: This course covers respiratory hazards, the types and applications of respiratory protection devices, and proper usage techniques. The course includes a practical exercise and a written exam. Training may be accomplished via classroom or challenge. The challenge is web-based and can be accessed at <http://training.pnl.gov>. Upon completion, staff are instructed to arrange for the practical exercise and exam.

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COURSE: 000717 TITLE: Respiratory Protection-Airline CREATION DT: 08/15/86 STATUS: A SESSION: N  
LONG TITLE: Respiratory Protection Training - Airline (Atmosphere Supplying)

DELIVERY METHOD:	Instructor Led	RETRAIN TIME/INTERVAL:	1 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	RP
Respiratory Protection			
REVISION DT/NBR:	03/15/97 2	EXTERNAL/INTERNAL:	E
DURATION TIME/INTV/COST:	3.H 155.00	RENEWAL COURSE/TIME/INTV:	
0 Y			
TECHNICAL CONTACT:	Nelson,Susan K		
SCHEDULE CONTACT:	Rhoads,Corinne D		
REFERENCE:	29 CFR 1910.134		



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INTENDED AUDIENCE: All staff members who wear airline (atmosphere supplying) respiratory protection. Staff members must have current respirator user medical qualification prior to attending this class at HAMMER.

SUMMARY: This course provides the fundamentals of airline (atmosphere supplying) respiratory protection. Information covered in the course includes: the types and application of respiratory protection devices, and proper usage techniques. This class is provided by HAMMER and requires a current mask fit card.

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COURSE: 000718 TITLE: Respiratory Protection-SCBA CREATION DT: 09/22/93  
STATUS: A SESSION: N  
LONG TITLE: Respiratory Protection Training - Self-Contained Breathing Apparatus (SCBA)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 03/15/97 2 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 3.H 155.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Nelson, Susan K  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: 29 CFR 1910.134

INTENDED AUDIENCE: All staff who wear SCBA respiratory protection. Staff members must have current respirator user medical qualification prior to attending the class at HAMMER.

SUMMARY: This course provides the fundamentals of SCBA respiratory protection. Information covered in the course includes: the types and applications of respiratory protection devices, and proper usage techniques. This class is provided by HAMMER and requires a current mask fit.

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COURSE: 000720 TITLE: Resp Prot-Single Use Dust/Mist CREATION DT: 02/01/95  
STATUS: A SESSION: N  
LONG TITLE: Respiratory Protection Training for Filtering Facepiece Respirators (Single-Use Dust Masks)

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 04/07/99 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 25.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: OSHA 29 CFR 1910.134; PNNL SBMS Noise Subject area

INTENDED AUDIENCE: All staff members who wear ONLY the filtering  
facepiece respirator (single-use dust masks). You can access this  
training at <http://training.pnl.gov/>.

SUMMARY: This course covers the fundamentals of filtering facepiece  
(single-use dust masks) respiratory protection devices. Information  
covered includes: applications of filter  
ing facepiece respirators (single-use dusts masks), and proper usage  
techniques.

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COURSE: 000721 TITLE: Hoods & Bubble Suits-Initial CREATION DT:  
05/01/95 STATUS: A SESSION: N

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Run Time 12:34:39

LONG TITLE: FRESH AIR SUPPLIED HOODS & BUBBLE SUITS

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0                              COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 0                                  EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H                      0.00 RENEWAL COURSE/TIME/INTV:  
000722 1 Y  
TECHNICAL CONTACT: Landsman, Steven D  
SCHEDULE CONTACT: Moore, Sonya L  
REFERENCE:

INTENDED AUDIENCE: Those who use the positive pressure air hood and Savannah River Bubble Suit.

SUMMARY: This training is designed to provide instruction in the use of positive pressure air hoods and the Savannah River Bubble Suit.

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COURSE: 000722 TITLE: Hoods & Bubble Suits-Retrainin CREATION DT:  
05/01/95 STATUS: A SESSION: N  
LONG TITLE: FRESH AIR SUPPLIED HOODS & BUBBLE SUITS RETRAINING

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0                              COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 0                                  EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H                      0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Landsman, Steven D  
SCHEDULE CONTACT: Moore, Sonya L  
REFERENCE:

INTENDED AUDIENCE: Those who need retraining on the positive pressure air hoods and the Savannah River Bubble Suit.

SUMMARY: Staff who are retraining are only required to watch a dress/undress demonstration.

\*\*\*\*\*

COURSE: 000813 TITLE: Initial Glovebox Training CREATION DT:  
10/01/86 STATUS: A SESSION: N  
LONG TITLE: Initial Glovebox Training

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 10/01/98 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 25.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Byrne,Kelly  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area - Using Local Exhaust Ventilation

INTENDED AUDIENCE: Required Audience: All staff members who use glove  
boxes.

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SUMMARY: The glovebox worker will be introduced to terminology, tasks, safety considerations, references, and requirements as they apply to safe conduct of work with gloveboxes  
at PNNL. Access this training at: <http://training.pnl.gov/>

\*\*\*\*\*

COURSE: 000814 TITLE: Glovebox OJT CREATION DT: 08/08/91  
STATUS: A SESSION: N  
LONG TITLE: Glove Box Usage OJT Checklist

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 06/03/98 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Byrne,Kelly  
SCHEDULE CONTACT: Byrne,Kelly  
REFERENCE: SBMS Subject Area - Using Local Exhaust Ventilation

INTENDED AUDIENCE: Required Audience: All staff members who perform work in glove boxes.

SUMMARY: The woker will demonstrate awareness and ability aspects of safely performing their identified asks per procedure. Access trng at <http://training.pnl.gov/>

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COURSE: 000816 TITLE: MESHA - Radiological Control CREATION DT: 11/28/90  
STATUS: A SESSION: N  
LONG TITLE: MANAGERS ES&H AWARENESS: RADIATION PROTECTION

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MES  
Manager's ES&H Awareness  
REVISION DT/NBR: 08/01/96 4 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 50.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Page Jr,Lawrence A  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: Hanford Site Radiological Control Manual

INTENDED AUDIENCE: Managers who manage, supervise, or provide oversight of staff who are radiological workers.

SUMMARY: This 2 hour course will provide managers of radiological workers with familiarization of their responsibilities in PNNL's radiological control program. Access trng at <http://training.pnl.gov/>

\*\*\*\*\*

COURSE: 000817 TITLE: GERT CREATION DT: 12/09/92  
STATUS: A SESSION: Y  
LONG TITLE: GENERAL EMPLOYEE RADIOLOGICAL TRAINING (GERT)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y

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MIN/MAX STUDENTS: 3 /50 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 85.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Barnum,Roscoe L  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: 10 CFR 835, Occupational Radiation Protection

INTENDED AUDIENCE: Staff who enter Radiologically Controlled Areas during the course of their job. GERT is strongly recommended for those who will encounter radiological postings.

SUMMARY: This course familiarizes the staff member with sources of radiation, non-ionizing and ionizing radiation, risk in perspective, ALARA, radiological controls, monitoring /dosimetry, emergency procedures, and employee responsibilities. Study guide access at <http://training.pnl.gov/>

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COURSE: 000819 TITLE: Rad Worker I CREATION DT: 12/01/92  
STATUS: A SESSION: Y  
LONG TITLE: RADIOLOGICAL WORKER I TRAINING - INITIAL

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 3 /9 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 12/01/95 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 11.H 480.00 RENEWAL COURSE/TIME/INTV:  
000820 1 Y  
TECHNICAL CONTACT: Barnum,Roscoe L  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: 10 CFR 835, Occupational Radiation Protection

INTENDED AUDIENCE: Required Audience: All staff members whose job assignments require unescorted access to Radiological Buffer Areas, Radioactive Material Areas, or Radiation Areas.  
Suggested Audience: Managers who directly

SUMMARY: This course provides instruction in radiological fundamentals, biological effects, radiation limits, ALARA principles, personnel monitoring, radiological postings and controls, and radiological emergencies. This course is offered in classroom, challenge, or self-paced computer-based training (CBT) format. All formats include a practical exercise

rcise on using RWP's, dosimetry, and self-survey instruments. Retraining and study guide access at <http://training.pnl.gov/>

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COURSE: 000820 TITLE: Rad Worker I - Refresher CREATION DT: 03/01/93 STATUS: A SESSION: N  
LONG TITLE: RADIOLOGICAL WORKER I - REFRESHER

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control

REVISION DT/NBR: 12/15/93 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y

TECHNICAL CONTACT: Barnum,Roscoe L  
SCHEDULE CONTACT: Barnum,Roscoe L  
REFERENCE: Hanford Site Radiological Control Manual

INTENDED AUDIENCE: Qualified Level I radiological workers

SUMMARY: This course consists of a reading assignment that provides refresher training on radiological fundamentals and good radiological control practices. It includes an open-book quiz and is required to maintain qualification as a Radiological Worker I.



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COURSE: 000821 TITLE: Rad Worker II CREATION DT: 12/01/92  
STATUS: A SESSION: Y  
LONG TITLE: Radiological Worker II Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 3 /9 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 12/01/95 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 16.H 650.00 RENEWAL COURSE/TIME/INTV:  
000822 1 Y  
TECHNICAL CONTACT: Page Jr, Lawrence A  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: Hanford Site Radiological Control Manual

INTENDED AUDIENCE: Staff members whose job assignments require unescorted access to High Radiation Areas, Very High Radiation Areas, Contamination Areas, High Contamination Areas, and Airborne Radioactivity Areas.

SUMMARY: This course provides instruction in radiological fundamentals, biological effects, radiological limits, ALARA principles, personnel monitoring, contamination control, radiological postings and controls, radiological emergencies and high/very high radiation area work practices and practical application as applicable. Retraining and study guide access at <http://training.pnl.gov/>.

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COURSE: 000822 TITLE: Rad Worker II - Refresher CREATION DT: 03/01/93  
STATUS: A SESSION: N  
LONG TITLE: RADIOLOGICAL WORKER II - REFRESHER

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 12/15/93 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Page Jr, Lawrence A  
SCHEDULE CONTACT: Page Jr, Lawrence A  
REFERENCE: Hanford Site Radiological Control Manual

INTENDED AUDIENCE: Qualified Level II radiological workers.

SUMMARY: This reading assignment provides refresher training on radiological fundamentals and good radiological control practices. This course is required to maintain qualification as a Radiological Worker II.

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COURSE: 000823 TITLE: Temporary Rad Containments CREATION DT: 12/01/94 STATUS: A SESSION: N  
LONG TITLE: TEMPORARY RADIOLOGICAL CONTAINMENTS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 8.H 325.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Barnum,Roscoe L

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SCHEDULE CONTACT: Barnum,Roscoe L  
REFERENCE: WHC Radiological Containment Guide, WHC-EP-0749

INTENDED AUDIENCE: Radiological Control Technicians and personnel  
designated by line management to install and remove temporary  
radiological containments

SUMMARY: This course trains Radiological Control Technicians and  
personnel designated by line management in the proper installation, use,  
and removal of temporary radiological  
containments.

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COURSE: 000824 TITLE: ALARA-Technical Support Staff CREATION DT:  
01/16/95 STATUS: A SESSION: N  
LONG TITLE: ALARA TRAINING FOR TECHNICAL SUPPORT PERSONNEL

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 4.H 100.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Pryor,Kathryn H  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: RadCon Manual, Article 652

INTENDED AUDIENCE: Technical staff who write or review any procedures  
that control radiological work or staff who are involved in radiological  
work planning activities. This  
training is offered through FDH.

SUMMARY: This course is designed to introduce technical support  
personnel (engineers, schedulers, procedure writers) to the fundamental  
principles of radiation and contamination  
control and reduction when designing new facilities, modifying existing  
facilities, or when planning and scheduling radiological activities.  
This course is taught by FDH (#020  
900).

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COURSE: 000831 TITLE: Aerial Lifts Operator Training CREATION DT:  
09/15/93 STATUS: A SESSION: N  
LONG TITLE: AERIAL LIFTS OPERATOR TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 148.00 RENEWAL COURSE/TIME/INTV:  
000960 3 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS, Hositing, Rigging, Forklifts and Aerial Lifts

INTENDED AUDIENCE: SFT/OPS/MNT/ENG. This training is offered through  
FDH.

SUMMARY: This class provides classroom and hands-on training for  
qualification of personnel to operate manually and self-propelled aerial  
lifts. FDH #042720.

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COURSE: 000832 TITLE: Flagging & Traffic Control CREATION DT: 09/15/93  
STATUS: A SESSION: N  
LONG TITLE: FLAGGING AND TRAFFIC CONTROL

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 4.H 300.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE:

INTENDED AUDIENCE: OPS/MNT/AFFECT PERS. This training is offered through FDH.

SUMMARY: State qualification for personnel flagging and/or directing traffic to include the placing of traffic control/directing devices. FDH #042730.

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COURSE: 000833 TITLE: Hazardous Waste Management CREATION DT: 08/27/86  
STATUS: A SESSION: N  
LONG TITLE: Hazardous Waste Management Training (WBT)

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 10/19/98 10 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Lokken,Ryan O  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area - Managing Non-radioactive Chemical Waste

INTENDED AUDIENCE: Required: Anyone who, in the course of their research or maintenance activities, generate hazardous chemical wastes which must be appropriately managed in Satellite Accumulation Areas with the support of a Field Service Rep (FSR) or a Haz Mat Coordinator (HM)

SUMMARY: This self-paced web-based training course educates staff/visitors who, as a result of their research or maintenance activities generate hazardous wastes and are supported by a Field Service Representative (FSR) or Hazardous Materials Coordinator (HMC), in the PNNL requirements for the proper collection and management of the wastes.

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COURSE: 000834 TITLE: Transuranic Waste Packager CREATION DT: 03/16/87 STATUS: A SESSION: Y  
LONG TITLE: Transuranic (TRU) Waste Packager

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 2 /15 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 06/02/99 6 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Faulk,Darrin E  
SCHEDULE CONTACT: Faulk,Darrin E  
REFERENCE: SBMS subject areas "Transuranic Waste", HNF-EP-0063 (current rev.)

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INTENDED AUDIENCE: Required for staff members who are responsible for managing and packaging contact handled transuranic waste. Suggested for managers of staff members who are responsible for managing and packaging contact handled transuranic waste.

SUMMARY: This class covers the applicable requirements for packaging, storing, and shipping contact-handled transuranic waste.

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COURSE: 000835 TITLE: HazWOper - 40-Hour CREATION DT: 02/18/87  
STATUS: A SESSION: N  
LONG TITLE: HAZARDOUS WASTE OPERATIONS TRAINING - 40 HOURS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 11/03/89 3 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 40.H 710.00 RENEWAL COURSE/TIME/INTV: 000839 1 Y  
TECHNICAL CONTACT: Johanson, Richard E  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: 29 CFR 1910.120

INTENDED AUDIENCE: Staff who work at or require access to environmental restoration sites regulated under RCRA and/or CERCLA. This training is offered through HAMMER.

SUMMARY: This course, taught by the HAMMER, covers OSHA health and safety requirements for working on an environmental restoration site. The training provides classroom instruction on site safety plans, safe work practices, nature of anticipated hazards, handling emergencies and self-rescue, safe use of field equipment, employees' rights and responsibilities, safe sampling techniques, and personal protective clothing and equipment. Sixteen hours of this course includes hands-on use of the PPE. The course

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COURSE: 000836 TITLE: HazWOper 3-Day Field Experience CREATION DT: 11/11/92  
STATUS: A SESSION: N  
LONG TITLE: HAZARDOUS WASTE SITE FIELD EXPERIENCE - 3 DAYS

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste  
Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 24.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Johanson, Richard E  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: 29 CFR 1910.120

INTENDED AUDIENCE: Staff members who work at or require access to  
environmental restoration sites regulated under RCRA and/or CERCLA. The  
OJT form can be received after compl  
eting the 40hr Haz Waste at HAMMER or Corinne Rhoads.

SUMMARY: This course is supervised field experience and is a component  
of the 40-hour hazardous waste operations training program. The  
training supervisor demonstrates how to  
work safely on a hazardous waste site (either RCRA or CERCLA regulated).  
The experience is during regularly-scheduled work at a site which is  
covered by 29 CFR 1910.120 as list  
ed in Appendix C of the Tri-Party Agreement. You may received the form  
used for this OJT from Cory Rhoads.

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COURSE: 000837 TITLE: HazWOper - 24-Hour CREATION DT:  
10/21/88 STATUS: A SESSION: N



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LONG TITLE: HAZARDOUS WASTE OPERATIONS TRAINING - 24 HOURS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste  
Management  
REVISION DT/NBR: 01/03/89 1 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 24.H 462.00 RENEWAL COURSE/TIME/INTV:  
000839 1 Y  
TECHNICAL CONTACT: Johanson,Richard E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: 29 CFR 1910.120

INTENDED AUDIENCE: Workers who are assigned to work at a permitted TSD  
facility that is regulated under RCRA OR general hazardous waste site  
workers and their on-site managers  
/supervisors who work in areas that are under permits.

SUMMARY: This course, taught by HAMMER, includes much of the same  
instruction provided in the 40-hour class (#000835) except the practical  
exercises and portions of respiratory  
protection training. This course includes credit for #000681, Hearing  
Conservation.

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COURSE: 000838 TITLE: HazWOper 1-Day Field Experienc CREATION DT:  
11/11/92 STATUS: A SESSION: N  
LONG TITLE: HAZARDOUS WASTE SITE FIELD EXPERIENCE - 1 DAY

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste  
Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Johanson,Richard E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: 29 CFR 1910.120

INTENDED AUDIENCE: General site workers, and their on-site  
managers/supervisors, who work in areas that are under permissible  
limits and published limits for exposures and whe  
re respirators are not necessary OR Workers who are

SUMMARY: This course provides supervised field experience as a  
component of the 24-Hour Hazardous Waste Operations training program.  
The training supervisor demonstrates how t

o work safely on a hazardous waste site (either RCRA or CERCLA regulated). The experience is during regularly scheduled work and at a site listed in Appendix C of the Tri-Party Agreement and covered under 29 CFR 1910.120.

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COURSE: 000839 TITLE: HazWoper 8-Hour Refresher CREATION DT: 08/01/88 STATUS: A SESSION: N  
LONG TITLE: Hazardous Waste 8-Hour Refresher

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 07/01/99 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 8.H 125.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: 29 CFR 1910.120

INTENDED AUDIENCE: Staff who attended HazWOper 40-Hour, 24-Hour, or 16-Hour Upgrade training and need to keep their certification current.

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SUMMARY: This course reviews information covered in the classroom portions of the 40-hour and 24-hour training, and informs students about equipment updates as well as changes in regulatory requirements. Schedule HAMMER classroom training through Cory Rhoads (376-7157) and PNNLweb-based training through Barb Allen (376-8241).

\*\*\*\*\*

COURSE: 000840 TITLE: HazWOper Supervisor - 8-Hour CREATION DT: 10/26/89  
STATUS: A SESSION: N  
LONG TITLE: HAZARDOUS WASTE OPERATIONS TRAINING FOR SUPERVISORS - 8 HOURS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 241.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Johanson,Richard E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: 29 CFR 1910.120

INTENDED AUDIENCE: On-site supervisors of RCRA/CERCLA sites\*\*\*Managers and supervisors of staff who work at waste sites designated for cleanup by state or local authorities, or CERCLA or RCRA waste sites

SUMMARY: This training includes information about management of hazardous waste site cleanup operations, management of site work zones, and how to communicate with the press and local community.

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COURSE: 000842 TITLE: HazWOper 16-Hour Upgrade CREATION DT: 11/11/92  
STATUS: A SESSION: N  
LONG TITLE: HAZARDOUS WASTE OPERATIONS UPGRADE TRAINING - 16 HOURS

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 16.H 284.00 RENEWAL COURSE/TIME/INTV: 0 Y

TECHNICAL CONTACT: Johanson,Richard E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: 29 CFR 1910.120

INTENDED AUDIENCE: Staff who have received 24 hours of hazardous waste site operations training and 1 day of waste site field experience but now need to meet the requirements of 40-Hour HazWOper (#000835). This training is offered through HAMMER.

SUMMARY: This course includes 16 hours of practical exercises.

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COURSE: 000844 TITLE: Low-Level Waste Generator CREATION DT: 07/22/91  
STATUS: A SESSION: Y  
LONG TITLE: LOW-LEVEL WASTE GENERATOR TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y

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COURSE TABLE  
Run Date 10/13/1999

Run Time 12:34:39

MIN/MAX STUDENTS: 4 /22 COURSE CATEGORY: WM Waste  
Management  
REVISION DT/NBR: 01/05/95 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Catlow,Rene L  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNL-MA-8

INTENDED AUDIENCE: PNNL staff members and non-PNNL persons who  
generate solid low-level waste; and suggested for supervisors of staff  
who generate solid LLW.

SUMMARY: This class teaches the importance of proper completion of the  
Waste Inventory Sheet and how it is used to complete the  
storage/disposal paperwork. This class summariz  
es specific waste acceptance criteria and describes the aspects of Waste  
Specification Records.

\*\*\*\*\*

COURSE: 000845 TITLE: LLW Generator-Bargaining Unit CREATION DT:  
06/21/94 STATUS: A SESSION: N  
LONG TITLE: Low-Level Waste Generator Training for Bargaining Unit

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste  
Management  
REVISION DT/NBR: 04/12/99 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 25.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Howard,Lowell E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNNL-MA-8, WHC-EP-0063 (current rev.)

INTENDED AUDIENCE: Required for: Bargaining unit staff who generate  
low-level waste and mixed waste.  
Suggested for: Supervisors of bargaining unit staff who generate low-  
level and mixed waste

SUMMARY: This self-paced web-based training course teaches the waste  
generator about their role in the characterization and disposal of low-  
level and mixed waste. This include  
s infomation on the definitions of different radioactive wastes, the  
importance of waste. This includes information on the definitions of  
different radioactive wastes, the imp

ortance of waste minimization, waste segregation, and properly making entries on a waste Inventory Sheet (WIS).

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COURSE: 000855 TITLE: Site Specific HazWaste-329 CREATION DT: 04/14/92 STATUS: I SESSION: N

LONG TITLE: Annual Site Specific Hazardous Waste Management Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y

TECHNICAL CONTACT: Grohs,Eugene L

SCHEDULE CONTACT: Grohs,Eugene L

REFERENCE: WAC 173-303-330

INTENDED AUDIENCE: Staff who handle, generate, package, store, or ship hazardous materials/waste or who directly affect the management of dangerous waste, and their supervisors and/or managers.

SUMMARY: This course covers site-specific hazardous materials and waste management and is part of the overall Hazardous Waste Management training program.

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COURSE: 000856 TITLE: Site Specific HazWaste-331 CREATION DT: 04/14/92  
STATUS: I SESSION: N  
LONG TITLE: Annual Site Specific Hazardous Waste Management Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Simiele,Connie J  
SCHEDULE CONTACT: Simiele,Connie J  
REFERENCE: WAC 173-303-330

INTENDED AUDIENCE: Staff who handle, generate, package, store, or ship hazardous materials/waste or who directly affect the management of dangerous waste, and their supervisors and/or managers.

SUMMARY: This course covers site-specific hazardous materials and waste management and is part of the overall Hazardous Waste Management training program.

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COURSE: 000906 TITLE: Final Internal Development Rev CREATION DT: 03/25/91  
STATUS: A SESSION: N  
LONG TITLE: FINAL INTERNAL DEVELOPMENT REVIEW OF SOFTWARE AND DOCUMENTATION

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality Assurance  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Schrotke Jr,Ronald C  
SCHEDULE CONTACT: Schrotke Jr,Ronald C  
REFERENCE: SCP-70-313, Rev. 0, SCP-70-312, Rev. 2, PAP-70-604, Rev 0

INTENDED AUDIENCE: Staff who need an understanding of the SCP system.

SUMMARY: This class teaches staff how to perform a Final Internal Development Review of engineering/scientific software and design documentation according to SCP-70-313. Bring a copy of SCP-70-313.

\*\*\*\*\*

COURSE: 000907 TITLE: Software Configuration Managem CREATION DT:  
04/29/91 STATUS: A SESSION: N  
LONG TITLE: SOFTWARE CONFIGURATION MANAGEMENT

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality Assurance  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schrotke Jr,Ronald C



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SCHEDULE CONTACT: Schrotke Jr,Ronald C  
REFERENCE: SCP-70-314, Rev. 1, SCP-70-312, Rev. 2

INTENDED AUDIENCE: Staff who need to understanding of the SCP system.

SUMMARY: This course helps participants apply the configuration management procedures of SCP-70-314 in projects/activities using software. Bring a copy of SCP-70-314, which is located in your PNL-MA-70.

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COURSE: 000908 TITLE: Conversion Testing, Verificati CREATION DT: 04/29/91  
STATUS: A SESSION: N  
LONG TITLE: CONVERSION TESTING, VERIFICATION, AND/OR VALIDATION OF SOFTWARE

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality Assurance  
REVISION DT/NBR: 06/25/91 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Schrotke Jr,Ronald C  
SCHEDULE CONTACT: Schrotke Jr,Ronald C  
REFERENCE: SCP-70-315

INTENDED AUDIENCE: Staff who need an understanding of the SCP system.

SUMMARY: This class helps participants: 1) recognize the requirements for conversion testing, verification and/or validation, 2) complete the required forms, and 3) initiate software testing documentation/approval activities. Bring a copy of SCP-70-315.

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COURSE: 000909 TITLE: Software Application Control CREATION DT: 04/29/91  
STATUS: A SESSION: N  
LONG TITLE: SOFTWARE APPLICATION CONTROL

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality Assurance  
REVISION DT/NBR: 06/24/91 1 EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Schrotke Jr,Ronald C

SCHEDULE CONTACT: Schrotke Jr,Ronald C

REFERENCE: SCP-70-316, Rev. 1

INTENDED AUDIENCE: Staff who need a understanding of the SCP System.

SUMMARY: This class explains the software application process and how it supports the other SCPs, which are found in PNL-MA-70. Bring a copy of SCP-70-316.

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COURSE: 000910 TITLE: Transfer Of Software, Data, An CREATION DT:  
05/02/91 STATUS: A SESSION: N  
LONG TITLE: TRANSFER OF SOFTWARE, DATA, AND/OR DOCUMENTATION

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality  
Assurance  
REVISION DT/NBR: 06/27/91 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schrotke Jr,Ronald C  
SCHEDULE CONTACT: Schrotke Jr,Ronald C  
REFERENCE: SCP-70-317, Rev. 0 SCP-70-312, Rev. 1

INTENDED AUDIENCE: Staff who need a understanding of the SCP system.

SUMMARY: Students learn how to transfer software, data and/or  
documentation between appropriate parties according to the standardized  
methods established by SCP-70-317, which i  
s in PNL-MA-70. Bring a copy of SCP-70-317.

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COURSE: 000911 TITLE: Control Of Databases CREATION DT:  
05/02/91 STATUS: A SESSION: N  
LONG TITLE: CONTROL OF DATABASES

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: QA Quality  
Assurance  
REVISION DT/NBR: 06/24/91 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schrotke Jr,Ronald C  
SCHEDULE CONTACT: Schrotke Jr,Ronald C  
REFERENCE: SCP-70-318, Rev. 0, SCP-70-312, Rev. 1 & Rev. 2

INTENDED AUDIENCE: Staff who need an understanding of the SCP system.

SUMMARY: This course is an overview of SCP-70-318 which is in PNL-MA-  
70. This procedure describes six major activity steps associated with  
database maintenance. Bring a copy  
of SCP-70-318.

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COURSE: 000912 TITLE: Security Training - Refresher CREATION DT:  
06/01/89 STATUS: A SESSION: N  
LONG TITLE: Refresher Security Briefing

DELIVERY METHOD:	Reading	RETRAIN TIME/INTERVAL:	1 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	SEC Security
REVISION DT/NBR:	11/01/98 12	EXTERNAL/INTERNAL:	I
DURATION TIME/INTV/COST:	0.H 0.00	RENEWAL COURSE/TIME/INTV:	
	0 Y		
TECHNICAL CONTACT:	Czebotar,Ann E		
SCHEDULE CONTACT:	Keene,Kimberly W		
REFERENCE:	SBMS, PNL-MA-40		

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INTENDED AUDIENCE: Required for all PNNL staff and non-staff who have been granted a DOE and/or DoD access authorization (DOE Q or L clearance/DOD T or S). Training is done on birth month and sent by Security.

SUMMARY: This awareness briefing provides staff/non-staff with current information on security regulations and information relating to their security responsibilities. It is expected to heighten individual security awareness on a reoccurring basis. The Refresher Briefing is required each CY for individuals with a DOE and/or DoD access authorization.

A self-study briefing packet is provided for individuals to read and return a completed Training Attendance form which acknowledges receipt and reading of

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COURSE: 000913 TITLE: Termination Briefing CREATION DT: 07/03/87  
STATUS: A SESSION: N  
LONG TITLE: Termination Briefing

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 11/01/98 5 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Czebotar, Ann E  
SCHEDULE CONTACT: Cooper, Violet M  
REFERENCE: SBMS, PNL-MA-40

INTENDED AUDIENCE: Staff upon termination of DOE/DOD Security Clearance

SUMMARY: This briefing reminds staff of the responsibility for termination of all classified activities and holdings by the individual, reminds them of post-clearance responsibilities and of the penalties for unauthorized disclosure of classified information, and gives individuals an opportunity to return any and all identification badges or credentials issued for official use.

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COURSE: 000914 TITLE: Security Training - Initial CREATION DT: 04/07/86  
STATUS: A SESSION: N  
LONG TITLE: Initial Security Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 10/01/98 6 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Czebotar,Ann E  
SCHEDULE CONTACT: Feaster,Donna S  
REFERENCE: SBMS, PNL-MA-40

INTENDED AUDIENCE: All new staff and non-staff (including AWU  
appointees, subcontractors, and consultants) prior to receiving their  
initial DOE security badge.

SUMMARY: This awareness briefing covers information regarding access  
control, host/visitor requirements, escort requirements, prohibited  
articles, Operations Security and Count  
erintelligence Program (and their related threats, requirements),  
substance abuse policies, overview of DOE and contractor security  
programs, facility orientation and responsibi  
lity to protect personal and government property from theft, loss or  
damage. This briefing is required for all new staff, AWU appointees,  
subcontractors, a

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COURSE: 000915 TITLE: Comprehensive Security CREATION DT:  
05/15/86 STATUS: A SESSION: N

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LONG TITLE: Comprehensive Security Training

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0                              COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 10/01/98                      7                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H                      0.00                      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Czebotar, Ann E  
SCHEDULE CONTACT: Feaster, Donna S  
REFERENCE: SBMS, PNL-MA-40

INTENDED AUDIENCE: All individuals granted a DOE and/or DoD Access  
Authorization (Security Clearance) shall receive the Comprehensive  
Security Training prior to being initiall  
y granted access to classified information or material.

SUMMARY: This briefing is designed to acquaint individuals who are  
being granted a DOE and/or DoD Access Authorization with their  
responsibilities concerning the classification  
, protection, and control of classified information and materials,  
security regulations, and reporting requirements. Individuals who  
require this training located off-site, and  
unable to attend the briefing at PNNL, are provided a reading  
assignment.

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COURSE: 000916    TITLE: OPSEC Program Briefing                      CREATION DT:  
06/20/86                      STATUS: A    SESSION: N  
LONG TITLE: Operations Security (OPSEC) Program Briefing

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0                              COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 07/26/99                      7                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H                      0.00                      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Luczynski, Gene W  
SCHEDULE CONTACT: Luczynski, Gene W  
REFERENCE: SBMS, Safeguards and Security Management System, "Operations  
Security (OPSEC) Program

INTENDED AUDIENCE: This training is recommended, but not required, for  
all PNNL Staff who works with classified or sensitive unclassified  
programs. Retrain recommended on an  
as needed basis.

SUMMARY: This briefing is designed to advise PNNL staff of the  
fundamental requirement of Operations Security (OPSEC) as it is  
practiced at PNNL, and to make each staff member

aware of their responsibility to practice OPSEC in an effort to stop the loss of sensitive and critical information.

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COURSE: 000917 TITLE: New Receptionist Training CREATION DT:  
06/20/86 STATUS: A SESSION: N  
LONG TITLE: New Receptionist Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 01/31/97 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
000925 1 Y  
TECHNICAL CONTACT: Czebotar,Ann E  
SCHEDULE CONTACT: Czebotar,Ann E  
REFERENCE: PNL-MA-40

INTENDED AUDIENCE: Access control clerks.



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SUMMARY: This class provides instruction regarding the day-to-day duties of access control including: applicable security administrative procedures on badging, prohibited articles and emergency procedures.

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COURSE: 000919 TITLE: Courier Briefing CREATION DT: 12/14/87  
STATUS: A SESSION: N  
LONG TITLE: COURIER BRIEFING

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 01/27/97 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Carrieria,Una  
SCHEDULE CONTACT: Carrieria,Una  
REFERENCE: PNL-MA-40

INTENDED AUDIENCE: Staff members who act as off-site couriers of classified matter

SUMMARY: Students learn their responsibilities and procedures as couriers of classified matter. Areas of specific concern include routing and methods of transportation, schedule of events, packing, storage and emergency contact made during any schedule changes.

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COURSE: 000920 TITLE: Foreign National Visitor/Assign CREATION DT: 03/07/88  
STATUS: A SESSION: N  
LONG TITLE: Foreign National Visitor/Assignee Host/Escort Pre-briefing

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 01/29/97 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Leifheit,Ben F  
SCHEDULE CONTACT: Stein,Judy I  
REFERENCE: DOE Order 1240.2B, "Unclassified Visits and Assignments by Foreign Nationals"

INTENDED AUDIENCE: PNNL staff (non-foreign nationals) hosting or escorting sensitive country foreign national visitors or assignees to PNNL. At the discretion of the PNL Counterintelligence Program Mgr, training may be required.

SUMMARY: This briefing is designed to advise selected PNL staff of security concerns and other issues they must be aware of relative to their hosting or escorting of sensitive country foreign national visitors or assignees to PNNL facilities.

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COURSE: 000921 TITLE: Classified IS Security Trng CREATION DT: 05/22/88 STATUS: A SESSION: N  
LONG TITLE: Classified Information System (IS) Security Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y

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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 06/27/97 6 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Mares,Julie R  
SCHEDULE CONTACT: Mares,Julie R  
REFERENCE: SBMS, Classified Information  
DOE Order 471.2A, "Information Security Program" dated March 27, 199

INTENDED AUDIENCE: All users of classified information systems, which include computers, fax machines, and any other equipment processing or producing classified information.

Classified Systems Security Officers (CSSO) will be trained by the Classified IS Security Sit

SUMMARY: This course addresses the DOE Order 471.2, "Information Security Program" requirements for protection of classified IS interests, including security measures such as:  
access control and escort procedures; personnel, physical, telecommunications, and administrative security; configuration management; hardware and software security; etc. The course follows PNL's implementation of the Order through the requirements identified in the PNL Master IS Security Plan.

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COURSE: 000922 TITLE: Initial DoD Security Training CREATION DT: 01/01/89  
STATUS: A SESSION: N  
LONG TITLE: INITIAL DoD SECURITY TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 05/02/94 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Czebotar,Ann E  
SCHEDULE CONTACT: Flores,Consuelo O  
REFERENCE: PNL-MA-40, Security; National Industrial Security Program Operating Manual (NISPOM)

INTENDED AUDIENCE: Staff members who are granted a DoD Security Clearance. Course 000915 (Comprehensive Security Training) may be substituted for this course, as applicable.

SUMMARY: This training briefs staff on their obligations to safeguard classified information and to exercise security practices and procedures. Participants are provided with

DoD Standard Practices and Procedures (SPP) from PNL-MA-40 Security Manual, listing of current PNL Authorized Derivative Classifiers (ADCs) and PNL Safeguards and Security Department (SASSD) contacts. Individuals located off-site, or unable to attend a briefing at PNL, are provided a packet to satisfy the required briefing.

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COURSE: 000923 TITLE: Secure Telephone Unit III Trg CREATION DT: 07/10/90 STATUS: A SESSION: N  
LONG TITLE: SECURE TELEPHONE UNIT III (STU-III) TRAINING

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 02/14/97 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Cadd,Theodore L  
SCHEDULE CONTACT: Cadd,Theodore L  
REFERENCE: DOE O 5300.3D, "Telecommunications: Communications Security"

INTENDED AUDIENCE: Staff members who use STU-III Telephones.  
Retraining as requested by SASS and/or the COMSEC Control Officer or Custodian.

SUMMARY: Students learn the proper use and handling of STU-III telephones and related CIKs. Specific requirements and restrictions are covered and the student must sign an agreement concerning the proper use of the equipment.

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COURSE: 000924 TITLE: Counterintelligence Training CREATION DT:  
01/03/89 STATUS: A SESSION: N  
LONG TITLE: Counterintelligence Training For Naturalized U.S. Citizens

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 01/31/97 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Leifheit,Ben F  
SCHEDULE CONTACT: Flores,Consuelo O  
REFERENCE: DOE CRD 470.1, "Safeguards and Security Program"

INTENDED AUDIENCE: All individuals who became U.S. citizens through  
naturalization subsequent to their 18th birthday and are being granted a  
DOE clearance.

SUMMARY: A counterintelligence briefing shall be provided to those  
individuals who became U.S. citizens through naturalization subsequent  
to their 18th birthday. This briefing  
is given in conjunction with the notification of granting a DOE  
clearance to naturalized citizens. Information addressed includes  
duress tactics or threats toward relatives re  
siding in foreign countries, hazards of financial links abroad,  
unsolicited offers of membership in obscure professional organizations,  
actions and activiti

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COURSE: 000925 TITLE: Access Control - Refresher CREATION DT:  
04/14/94 STATUS: A SESSION: N  
LONG TITLE: Access Control Refresher Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 01/31/97 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Czebotar,Ann E  
SCHEDULE CONTACT: Czebotar,Ann E  
REFERENCE: PNL-MA-40, "Security"

INTENDED AUDIENCE: Access control clerks and building relief clerks.  
Retraining as needed.

SUMMARY: This training reviews Security SAPs and badge credentials, and updates desk procedures. This class will also addresses problem areas and concerns of staff and management.

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COURSE: 000926 TITLE: MC&A for New Custodian CREATION DT: 01/01/87 STATUS: A SESSION: N  
LONG TITLE: MATERIAL CONTROL AND ACCOUNTABILITY FOR THE NEW CUSTODIAN

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SAF  
Safeguards  
REVISION DT/NBR: 12/01/94 2 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 4.H 0.00 RENEWAL COURSE/TIME/INTV:  
000927 1 Y  
TECHNICAL CONTACT: Sharp,Roger R

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SCHEDULE CONTACT: Sharp,Roger R  
REFERENCE: DOE Order 5633.3B, "Control and Accountability of Nuclear Materials"

INTENDED AUDIENCE: Staff members assigned as primary or alternate material balance area (MBA) custodians for nuclear material control and accountability (MC&A). Successful completion of this course is prerequisite to becoming

SUMMARY: This course allows the new MBA Custodian to demonstrate knowledge of responsibilities and requirements of this position by achieving a minimum score of 70% on an end-of-course exam.

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COURSE: 000927 TITLE: MC&A for MBA Custodian CREATION DT: 04/01/87  
STATUS: A SESSION: N  
LONG TITLE: Material Control And Accountability For The Material Balance Area Custodian

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SAF  
Safeguards  
REVISION DT/NBR: 04/01/97 9 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Sharp,Roger R  
SCHEDULE CONTACT: Sharp,Roger R  
REFERENCE: DOE Order 5633.3B, "Control and Accountability of Nuclear Materials"

INTENDED AUDIENCE: Staff members authorized as a Material Balance Area (MBA) Custodian

SUMMARY: MBA Custodians receive refresher training in MBA Custodian responsibilities. Given the information within the handouts and training activities, staff members will demonstrate knowledge of requirements as a custodian of a Material Balance Area by completing the end of class exercises to solve Safeguards scenarios.

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COURSE: 000928 TITLE: MC&A for MBA Manager CREATION DT: 01/01/87  
STATUS: A SESSION: N

LONG TITLE: MATERIAL CONTROL AND ACCOUNTABILITY FOR THE MATERIAL BALANCE  
AREA MANAGER

DELIVERY METHOD: Instructor Led                      RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0                              COURSE CATEGORY: SAF  
Safeguards  
REVISION DT/NBR: 03/26/96                      8                      EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H                      0.00                      RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Sharp,Roger R  
SCHEDULE CONTACT: Sharp,Roger R  
REFERENCE: DOE Order 5633.3B, "Control and Accountability of Nuclear  
Materials"

INTENDED AUDIENCE: MBA managers

SUMMARY: Given the information within the handouts and training  
activities, staff members will demonstrate knowledge of  
responsibilities and requirements of the position of Ma  
nager of the Material Balance Area by achieving a minimum score of 70%  
on an end-of-course exam.

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COURSE: 000929 TITLE: MC&A New Hire Orientation CREATION DT: 11/01/87  
STATUS: A SESSION: N  
LONG TITLE: MATERIAL CONTROL AND ACCOUNTABILITY NEW HIRE ORIENTATION

DELIVERY METHOD: Video RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SAF  
Safeguards  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Sharp,Roger R  
SCHEDULE CONTACT: Sharp,Roger R  
REFERENCE: PNL-MA-5, "Nuclear Material Control and Accountability"

INTENDED AUDIENCE: All new hires

SUMMARY: This presentation provides a general overview of nuclear materials control and accountability (MC&A) at PNL. The information presented includes the types of nuclear materials at PNL, how accountability is maintained, the definition of material balance areas (MBAs), and MBA custodian responsibilities.

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COURSE: 000930 TITLE: Authorized TID User Retrain CREATION DT: 09/01/90  
STATUS: A SESSION: N  
LONG TITLE: AUTHORIZED TID USER ANNUAL RETRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SAF  
Safeguards  
REVISION DT/NBR: 02/22/94 3 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Sharp,Roger R  
SCHEDULE CONTACT: Sharp,Roger R  
REFERENCE: DOE Orders, Series 470

INTENDED AUDIENCE: Authorized users of Tamper Indicating Devices.

SUMMARY: Participants will be reintroduced to the requirements for authorized users of TIDs and be able to properly account for all TIDs assigned to them, including requirement

s for storage, records requirements and application and removal techniques, following procedures MCA-300, "Control of Tamper-Indicating Devices", and MCA-301, "Application and Removal of Tamper-Indicating Devices" found in PNL-MA-5. Staff members will demonstrate knowledge of responsibilities and requirements by achieving a minim

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COURSE: 000931 TITLE: MC&A TID Verifier CREATION DT: 04/01/91 STATUS: A SESSION: N  
LONG TITLE: MATERIAL CONTROL AND ACCOUNTABILITY TAMPER-INDICATING DEVICE VERIFIER

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SAF  
Safeguards  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Sharp,Roger R  
SCHEDULE CONTACT: Sharp,Roger R  
REFERENCE: PNL-MA-5, "Nuclear Material Control and Accountability,"  
Section 3.0 (4/92) Containment

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INTENDED AUDIENCE: Determined by the material balance area (MBA)  
custodian

SUMMARY: This on-the-job training is conducted by material control and  
accountability (MC&A) authorized tamper-indicating device (TID) users to  
qualify a TID verifier to act as  
a witness when TIDs are applied or removed.

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COURSE: 000932 TITLE: Authorized TID User - Initial CREATION DT:  
05/15/92 STATUS: A SESSION: N  
LONG TITLE: AUTHORIZED TAMPER-INDICATING DEVICE (TID) USER INITIAL  
TRAINING

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SAF  
Safeguards  
REVISION DT/NBR: 12/01/94 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
000930 1 Y  
TECHNICAL CONTACT: Sharp,Roger R  
SCHEDULE CONTACT: Sharp,Roger R  
REFERENCE: DOE Orders O 5633.3B

INTENDED AUDIENCE: Staff members assigned as custodians of material  
control and accountability (MC&A) tamper-indicating devices (TIDs).  
Becoming an authorized TID user requires the successful completion of this course.

SUMMARY: This initial course familiarizes the Tamper-Indicating Device  
user with requirements for the custodians of Material Control &  
Accountability TIDs. The user will be able to properly account for all TIDs assigned to them, including  
knowledge of requirements for storage, records and application and  
removal techniques.

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COURSE: 000958 TITLE: Philips XRG3100 Operator Train CREATION DT:  
02/28/91 STATUS: A SESSION: N  
LONG TITLE: PHILIPS XRG3100 OPERATOR TRAINING

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 1 Y

MIN/MAX STUDENTS: 0 /0

COURSE CATEGORY: RAD

Radiation Control

REVISION DT/NBR: 06/12/98 1

EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Simner,Steven P

SCHEDULE CONTACT: Simner,Steven P

REFERENCE: Philips XRG3100 Operator Training Prerequisites and  
Procedures

INTENDED AUDIENCE: Operators of the Philips XRG3100 X-Ray Generator

SUMMARY: This Lesson Plan provides a description of the training  
required for operators of the Philips XRG3100 X-Ray Generator (Serial  
#1084, Property #WB58199) located in RCHN  
/PSL/312.

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COURSE: 000959 TITLE: Independent Verification Techn CREATION DT:  
06/01/96 STATUS: A SESSION: N

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LONG TITLE: Independent Verification Techniques and Requirements

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OSR  
Operation Safety Requirements  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Casazza, Lawrence O  
SCHEDULE CONTACT: Casazza, Lawrence O  
REFERENCE:

INTENDED AUDIENCE: REQUIRED: Power Operators performing work in PNNL  
Nuclear Facilities, Counting Laboratory Personnel and Building Manager.

SUGGESTED: Resident Facility Ma  
nager, Craft Supervisors and Work Speci

SUMMARY: This course is designed to provide instruction on Independent  
Verification techniques. It describes the methods and situations  
requiring Independent Verification nece  
ssary to meet DOE 5480.19 and PNL-MA-50 guidance.

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COURSE: 000960 TITLE: Aerial Lifts Operator Requal CREATION DT:  
09/15/93 STATUS: A SESSION: N  
LONG TITLE: Aerial Lifts Operator Requal

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 170.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Rhoads, Corinne D  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: SBMS, Hositing, Rigging, Forklifts and Aerial Lifts

INTENDED AUDIENCE: SFT/OPS/MNT/ENG

SUMMARY: This class provides classroom and "hands-on" retraining for  
qualification of personnel to operate manually and self-propelled  
aerial lifts.

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COURSE: 000966 TITLE: Baird EX-3000 Operator Tgr CREATION DT:  
07/01/96 STATUS: A SESSION: N  
LONG TITLE: Baird EX-3000 Operator Training Plan

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Simmer,Steven P  
SCHEDULE CONTACT: Simmer,Steven P  
REFERENCE:

INTENDED AUDIENCE: Operators of the Baird EX-3000 X-Ray Fluorescence  
Spectrometer and shall be, at a minimum, current Radiation Worker I  
training.

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SUMMARY: This Lesson Plan provides a description of the training required for operators of the Baird EX-3000 X-Ray Fluorescence Spectrometer (Serial #108159, Property #WD13207) located in RCHN/PSL/312.

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COURSE: 000967 TITLE: Crane/Hoist/Rigging-Requal CREATION DT: 08/21/96  
STATUS: A SESSION: N  
LONG TITLE: Crane Requal

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 4.H 51.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS, Hositing, Rigging, Forklifts and Aerial Lifts

INTENDED AUDIENCE: Those who need retraining on Cranes.

SUMMARY: This training is offered by FDH..

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COURSE: 000968 TITLE: Forklift Requal CREATION DT: 08/21/96  
STATUS: A SESSION: N  
LONG TITLE: Forklift Requal

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 116.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS, Hositing, Rigging, Forklifts and Aerial Lifts

INTENDED AUDIENCE: Those who work with Forklifts.

SUMMARY: Those who need retraining on Forklift.

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COURSE: 000970 TITLE: Overhead Crane Inspection Mech CREATION DT:  
09/23/96 STATUS: A SESSION: N  
LONG TITLE: Overhead Crane Inspection (Mechanical)

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y



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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MS  
Maintenance Services  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 16.H 326.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Rhoads,Corinne D  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS, Hositing, Rigging, Forklifts and Aerial Lifts

INTENDED AUDIENCE: Staff who need to inspect overhead cranes. This training is offered through FDH.

SUMMARY: Provides instruction for qualification of personnel performing work on overhead cranes.

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COURSE: 000971 TITLE: Site Specific HazWaste EMSL CREATION DT:  
09/24/96 STATUS: I SESSION: N  
LONG TITLE: Annual Site Specific Hazardous Waste Management Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste  
Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Grohs,Eugene L  
SCHEDULE CONTACT: Grohs,Eugene L  
REFERENCE: WAC 173-303-330

INTENDED AUDIENCE: Staff who handle, generate, package, store or ship hazardous materials/waste or who directly affect the management of dangerous waste, and their supervisors and/or managers.

SUMMARY: This course covers site-specific hazardous materials and waste management and is part of the overall Hazardous Waste Management training program.

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COURSE: 000972 TITLE: Rad Inventory Tracking for CSM CREATION DT:  
09/30/96 STATUS: A SESSION: N

LONG TITLE: OP-D7F65-SA-001 "Radioactive Material Tracking Instruction"  
Rev. 2

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Buckley,Glenn D  
SCHEDULE CONTACT: Buckley,Glenn D  
REFERENCE:

INTENDED AUDIENCE: Cognizant Space Managers, Alternate Cognizant Space  
Managers and their Line Managers

SUMMARY: This procedure applies to all areas of the 325 Building where  
radioactive material is stored, processed or packaged. This procedure  
applies to individuals in the 325 B  
uilding responsible for radioactive material. Materials that are exempt  
from this evaluation are materials in pipe nipples, closed safes,  
packaged in DOT-approved or equivalent  
containers, vitrified or grouted materials, special form capsules and  
sealed sources.

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COURSE: 000981 TITLE: Rad Worker Trg for the INSP CREATION DT: 09/01/96  
STATUS: A SESSION: N  
LONG TITLE: Radiological Worker Training for the International Nuclear Safety Program (INSP)

DELIVERY METHOD: Challenge RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 420.00 RENEWAL COURSE/TIME/INTV: 000982 1 Y  
TECHNICAL CONTACT: Barnum,Roscoe L  
SCHEDULE CONTACT: Barnum,Roscoe L  
REFERENCE: 10CFR835, Occupational Radiation Protection

INTENDED AUDIENCE: Staff members who will be entering offsite radiological areas in association with INSP projects.

SUMMARY: Rad worker training for staff members who need access to radiological areas in conjunction with INSP (International Nuclear Safety Program) projects. NOTE: This course will NOT provide access to any Hanford radiological areas. Staff members who need access to Hanford radiological areas should take either the Rad Worker I (PS# 819) or the Rad Worker II (PS # 821) training course. This course is about 6 hours of self study and 2 hours CBT. Access trng at: <http://training.pnl.gov/>

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COURSE: 000982 TITLE: Rad Worker for INSP - Refreshe CREATION DT: 11/15/96  
STATUS: A SESSION: N  
LONG TITLE: INSP Radiological Worker Refresher Training

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Page Jr,Lawrence A  
SCHEDULE CONTACT: Page Jr,Lawrence A  
REFERENCE: INSP-ESH-001

INTENDED AUDIENCE: All qualified INSP radiological workers are required to take this refresher training in the off-year when full retraining (Course # 981) is not completed.

SUMMARY: The computer-based training provides refresher training on the principles of the INSP procedure, off-site work requests, rad control, and contamination control.

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COURSE: 000988 TITLE: Hot Work Permit Trng CREATION DT:  
11/01/96 STATUS: A SESSION: Y  
LONG TITLE: Hot Work Permit Training

DELIVERY METHOD:	Instructor Led	RETRAIN TIME/INTERVAL:	2 Y
MIN/MAX STUDENTS:	5 /18	COURSE CATEGORY:	HW Hot Work
REVISION DT/NBR:	0	EXTERNAL/INTERNAL:	I
DURATION TIME/INTV/COST:	1.H 50.00	RENEWAL COURSE/TIME/INTV:	
	0 Y		
TECHNICAL CONTACT:	Minister,Andrew G		

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SCHEDULE CONTACT: Nelson, Susan K  
REFERENCE: SBMS Subject Area - Fire Prevention When Working with Open  
Flame, Welding, Cutting or Grinding

INTENDED AUDIENCE: Required Audience: Building managers and their  
alternates, facility engineers, and craft supervisors.

SUMMARY: This course describes the Hot Work Permit program. It  
emphasizes the responsibilities of building managers, facility engineers  
and craft supervisors in regard to controlling hot work operations and prevention of hot work fires.

Course Objectives: 1. Understand what hot work is. 2. Understand the  
welding, cutting, grinding and work with  
open flame program at PNNL. 3. Know your responsibilities in regard to  
the Permit for Working with Open Flame, Welding, Cutting or Grinding,  
whether you are

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COURSE: 000996 TITLE: Water Hammer - Initial CREATION DT:  
01/07/97 STATUS: A SESSION: N  
LONG TITLE: Water Hammer - Initial

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 165.00 RENEWAL COURSE/TIME/INTV:  
000997 1 Y  
TECHNICAL CONTACT: Rhoads, Corinne D  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: DOE Order 5480.19

INTENDED AUDIENCE: Facility personnel who designs, maintains, repairs,  
inspects, orders parts for, supervises, or operates steam systems. This  
training is offered through Dyn  
Corp.

SUMMARY: This course provides instruction on phenomena and prevention  
of a condensate induced water hammer event.

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COURSE: 000997 TITLE: Water Hammer - Refresher CREATION DT:  
01/07/97 STATUS: A SESSION: N

LONG TITLE: Water Hammer - Refresher

DELIVERY METHOD:	Instructor Led	RETRAIN TIME/INTERVAL:	1 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	SOP Safe
Operating Procedures			
REVISION DT/NBR:	0	EXTERNAL/INTERNAL:	E
DURATION TIME/INTV/COST:	3.H 70.00	RENEWAL COURSE/TIME/INTV:	
0 Y			
TECHNICAL CONTACT:	Rhoads,Corinne D		
SCHEDULE CONTACT:	Rhoads,Corinne D		
REFERENCE:	DOE Order 5480.19 & 5480.20		

INTENDED AUDIENCE: Facility personnel who designs, maintains, repairs, inspects, orders parts for, supervises, or operates steam systems. This training is offered through Dyn Corp.

SUMMARY: This course provides refresher training for steam systems workers on identification and prevention of water hammer events. Students will work practical exercises on actual events derived from DOE and industry.

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COURSE: 000998 TITLE: EP for PNNL Control Rm Tech CREATION DT:  
01/21/97 STATUS: A SESSION: N  
LONG TITLE: Emergency Preparedness Training and Awareness for PNNL  
Control Room Technicians

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: EP  
Emergency Preparedness  
REVISION DT/NBR: 09/17/98 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Schuette,John B  
SCHEDULE CONTACT: Schuette,John B  
REFERENCE:

INTENDED AUDIENCE: PNNL Control Room Technicians

SUMMARY: Review the role of the PNNL Control Room Technicians during an  
emergency event. The training will also cover the PNNL Emergency  
Response Organization and the Site Emergency Response Organization. a) Performing the duties of being a focal  
point for PNNL emergencies as requested by the PNNL ERO. b) Ensuring  
the emergency responses are initiated for fire, ambulance, and police requirements. c) Ensuring that  
appropriate line management and staff notifications are made during an  
emergency, again

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COURSE: 001002 TITLE: OJT Instruction and Evaluation CREATION DT:  
04/25/97 STATUS: A SESSION: Y  
LONG TITLE: OJT Instruction and Evaluation

DELIVERY METHOD: Computer Assisted RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 3 /18 COURSE CATEGORY: ITR  
Instructor Training  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 8.H 175.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Kovach,Anthony A  
SCHEDULE CONTACT: Kovach,Anthony A  
REFERENCE: SBMS Subject Area - Training & Qualification for Instructors

INTENDED AUDIENCE: Staff who provide formal OJT training.

SUMMARY: The OJT instructor/evaluator will be afforded the resources to instruct and evaluate formal OJT for their respective responsibilities to the line organization. The web-based (1-3 hours) portion of this course may be satisfied from the staff member's desk. Objectives from that portion are tested, and an OJT session is conducted. Completion of this course will satisfy the instructional skill qualification criteria noted in SBMS. Access at: <http://training.pnl.gov/>

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COURSE: 001003 TITLE: Criticality Safety Prg in 325 CREATION DT: 03/01/97  
STATUS: I SESSION: N  
LONG TITLE: Criticality Safety Program in the 325 Building

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Urie,Michael W  
SCHEDULE CONTACT: Sirrs,Anita E  
REFERENCE: PNL-MA-250



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INTENDED AUDIENCE: This training is required for all unescorted visitors or residents of the 325 Building. Training access at: <http://w3.pnl.gov/facops2/325/train/rpltrain.htm>

SUMMARY: This reading assignment provides the reader with an overview of the potential hazards of uncontrolled nuclear reactions that exist in the 325 Building and criticality safety program established to control this hazard. Training access at: <http://w3.pnl.gov/facops2/325/train/rpltrain.htm>

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COURSE: 001011 TITLE: EMSL Orientation CREATION DT: 10/01/96  
STATUS: A SESSION: N  
LONG TITLE:

DELIVERY METHOD: Computer Assisted RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 25.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Taylor,Tobe R  
SCHEDULE CONTACT: Taylor,Tobe R  
REFERENCE: Required by EMSL Ops and by the Readiness Assessment team.

INTENDED AUDIENCE: All EMSL staff, visitors, and collaborators who wish unescorted prox access to EMSL.

SUMMARY: This orientation is required for all PNNL staff, visitors, and collaborators who wish to receive unescorted prox access to the EMSL facility, either to the outer doors or to the individual laboratory doors. This peculiar training identifier will cause the box to be checked in the EMSL Ops system called "EMSL Orientation" so that a prox card can be issued and/or activated.

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COURSE: 001014 TITLE: Electrical Worker Safety Trng CREATION DT: 05/30/97  
STATUS: A SESSION: N  
LONG TITLE: Electrical Worker Safety Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y

MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 125.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Howard,Lowell E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area - Electrical Safety

INTENDED AUDIENCE: Staff members and supervisors of staff members who,  
in the course of their work, are permitted to work on or near exposed  
(unguarded) electrically energized  
parts that is greater than 50 Volts to ground. See "qualified" persons  
as defined in NFPA 70

SUMMARY: This training provides the student with a basic understanding  
of the specific hazards associated with electrical energy, the  
relationship between electrical hazards and  
possible injury, emergency procedures, safety related work practices  
and procedures, special precautionary techniques, personal protective  
equipment, insulating and shielding  
materials, and insulated tools and test equipment.

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COURSE: 001043 TITLE: Tritium in the Workplace CREATION DT:  
04/17/97 STATUS: A SESSION: N

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LONG TITLE: Tuitium in the Workplace

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Mileham,Andrew P  
SCHEDULE CONTACT: Mileham,Andrew P  
REFERENCE: DOE-HDBK-1105-96 "Radiological Training for Tritium  
Facilities"  
AUDIENCE: This is an elective course, which is intended for  
radioligical workers who will be working with or around tritium.

SUMMARY: This course illustrates and reinforces the skills and  
knowledge needed to provide personnel with an understanding of the  
characteristics of tritium and the precautions  
needed for working with or around it.

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COURSE: 001044 TITLE: EMSL Accelerator Operator Trng CREATION DT:  
04/01/97 STATUS: A SESSION: N  
LONG TITLE: EMSL Accelerator Operator Certification Training

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 16.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Thevuthasan,Suntharampillai  
SCHEDULE CONTACT: Taylor,Tobe R  
REFERENCE: PNL-MA-26

INTENDED AUDIENCE: Required for operators of the EMSL high energy ion  
accelerator in Room 1648. RWI training is required prior to this  
certification training. EMSL Orientati  
on is also a prerequisite.

SUMMARY: This training for the EMSL high energy ion accelerator in Room  
1648 provides hands-on operational experience for the trainee performed  
under the direct supervision of  
the RGD Custodian for this device. In addition, the required reading  
and written exam are designed to provide a sufficient understanding of  
the physics of operation as well as

the important safety measures in place in the facility.

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COURSE: 001055 TITLE: Cab Overhead Crane - OJT CREATION DT:  
04/29/97 STATUS: A SESSION: N  
LONG TITLE: Cab Operated Overhead Crane OJT Evaluation

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE:

INTENDED AUDIENCE: Users of a cab operated overhead crane needs to  
complete this OJT.

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SUMMARY: Equipment Specific OJT Evaluation Cab Operated Overhead Crane checklist.

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COURSE: 001056 TITLE: Floor Over Crane & Hoists OJT CREATION DT:  
04/29/97 STATUS: A SESSION: N  
LONG TITLE: Floor Operated Overhead Cranes and Hoists OJT Evaluation

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE:

INTENDED AUDIENCE: Users of a floor operated overhead cranes and hoists needs to complete this OJT.

SUMMARY: Equipment Specific OJT Evaluation Floor Operated Overhead Cranes and Hoists checklist.

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COURSE: 001057 TITLE: ForkLift OJT Evaluation CREATION DT:  
04/29/97 STATUS: A SESSION: N  
LONG TITLE: ForkLift OJT Evaluation

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE:

INTENDED AUDIENCE: Users of Forklifts need complete this OJT.

SUMMARY: Equipment Specific OJT Evaluation for Forklifts checklist.

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COURSE: 001058 TITLE: Job-Specific for Simple Lifts CREATION DT:  
05/13/97 STATUS: A SESSION: N  
LONG TITLE: Job-Specific Evaluation for Simple Lifts

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y

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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Wright,Douglas W  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: Section 4.3.3, "Rigging Training Program and Qualifications,"  
of the Hanford Site Hoisting and Riggi

INTENDED AUDIENCE: Staff member who performs a simple lift must  
receive a job-specific evaluation before performing the lift if that  
staff member has not completed the formal  
hoisting and rigging training. This OJT form can be found on SBMS at  
<http://sbms.pnl.gov/stan>

SUMMARY: This job-specific training is for staff members who perform  
the simple lift, but who do not need to complete the formal hoisting and  
rigging training. The job-specific  
evaluation is conducted by the qualified hoisting and rigging  
evaluator at the request of the staff member planning to perform the  
lift. Training access at SBMS: [http://sbms.  
pnl.gov/standard/0o/0o00t010.htm](http://sbms.pnl.gov/standard/0o/0o00t010.htm)

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COURSE: 001059 TITLE: Trng Non-Electrical Workers CREATION DT:  
08/15/97 STATUS: A SESSION: N  
LONG TITLE: Electrical Safety for Non-Electrical Workers

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OS  
Occupational Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 50.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Howard,Lowell E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNNL Subject Area, Electrical Safety

INTENDED AUDIENCE: Staff members and supervisors of staff members who,  
as a result of their duties, are required to work around systems or  
equipment which expose them to a risk  
of electrical hazard.

SUMMARY: This web based training (<http://training.pnl.gov/>) course  
provides staff/visitors who, as a result of their duties, are required  
to work around systems or equipment w

high expose them to a risk of electrical hazard with a basic understanding of specific hazards associated with electrical energy, the relationship between electrical hazards and possible injury, emergency procedures in the event of electrical accident, as well as safety related work practices and special precautionary requirements

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COURSE: 001061 TITLE: Building 325 Safety Analysis CREATION DT: 05/27/97 STATUS: A SESSION: N  
LONG TITLE: 325 Building Safety Analysis Training

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OSR  
Operation Safety Requirements  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Lucas, Donna E  
SCHEDULE CONTACT: Sirrs, Anita E  
REFERENCE: PNL-MA-44, Safety Analysis

INTENDED AUDIENCE: Staff who work on or with OSR-related projects or building systems, Maintenance Services workers (including power operators & craftsmen) facility operations  
. Training access at: <http://w3.pnl.gov/facops2/325/train/rpltrain.htm>

SUMMARY: This training packet presents a general overview of the safety analysis process for a Nuclear Facility. The SAR, OSRs and Safety Class, and how these apply in operation of the 325 Building are discussed. The safety analysis process requirements for PNNL are defined in PNL-MA-44, Safety Analysis. This training access at: <http://w3.pnl.gov/facops2/325/train/rpltrain.htm>



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COURSE: 001062 TITLE: PNNL Ethics and Conduct Trng CREATION DT:  
05/16/97 STATUS: A SESSION: N  
LONG TITLE: Battelle Standards of Business Ethics and Conduct Training

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HR Human  
Resources  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Porter,Steven L  
SCHEDULE CONTACT: Harrod,Christine L  
REFERENCE: SBMS Subject Area - Battelle Standards of Business Ethics and  
Conduct Brochure

INTENDED AUDIENCE: All PNNL staff.

SUMMARY: This training is provided to give staff BMI's vision of a  
successful Battelle and give a clear understanding of current business  
conduct and ethics requirements that s  
ignificantly impact our everyday operations. Access trng at:  
<http://training.pnl.gov/>

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COURSE: 001064 TITLE: ACES OJT for Access Ctrl Clerk CREATION DT:  
06/11/97 STATUS: A SESSION: N  
LONG TITLE: ACES OJT for Access Control Clerks

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Byrne,Kelly  
SCHEDULE CONTACT: Byrne,Kelly  
REFERENCE: RCP-3.3.01 Radiological Access Control

INTENDED AUDIENCE: Access Control Clerks

SUMMARY: Given an ACES control station and a User Manual, the access control clerk will demonstrate awareness and ability aspects of controlling access for radiological purposes. This demonstration will include awareness of responsibilities, and precautions and limitations; as well as performance of ACE-in/ACE-responsibilities, and precautions and limitations; as well as performance of ACE-in/ACE-out duties with associated documentation, queries, and updates per procedure and practice.

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COURSE: 001078 TITLE: MPC&A Rad Worker Trng CREATION DT: 09/01/97 STATUS: A SESSION: N  
LONG TITLE: Radiological Worker Training for the Material Protection, Control and Accountability (MPC&A) Program

DELIVERY METHOD:	Challenge	RETRAIN TIME/INTERVAL:	2 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	RAD
Radiation Control			
REVISION DT/NBR:	0	EXTERNAL/INTERNAL:	I
DURATION TIME/INTV/COST:	2.H 420.00	RENEWAL COURSE/TIME/INTV:	
001199 1 Y			
TECHNICAL CONTACT: Barnum,Roscoe L			

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SCHEDULE CONTACT: Barnum, Roscoe L  
REFERENCE: 10CFR835, Occupational Radiation Protection

INTENDED AUDIENCE: Staff members who will be entering offsite  
radiological areas in association with MPC&A projects.

SUMMARY: Rad Worker training for staff who need access to radiological  
areas in conjunction with Material Protection, Control & Accountability  
(MPC&A) projects. NOTE: This course will NOT provide access to any Hanford radiological areas. Staff  
who need access to Hanford rad areas should take RWI or RWII. Access  
training at: <http://training.pnl.gov/>

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COURSE: 001079 TITLE: Classified Matter Detail CREATION DT:  
09/23/97 STATUS: A SESSION: Y  
LONG TITLE: Classified Matter Protection and Control (CMPC) - Detailed

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 8 /30 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 6.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Carrieri, Una  
SCHEDULE CONTACT: Carrieri, Una  
REFERENCE: DOE Order 471.2-1A, "Classified Matter Protection and  
Control"

INTENDED AUDIENCE: REQUIRED FOR: Classified Document Administrators  
(CDAs).

SUMMARY: This course is designed to provide detailed instruction to  
personnel responsible for preparation, protection and control of  
classified matter. The course will discuss  
requirements on the marking and handling of standard PNNL-originated  
classified documents, non-PNNL documents, materials laboratory record  
books, transmittal letters, transfer,  
destruction, determination of classification, duplication, classified  
facsimiles, wrapping, and storage.

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COURSE: 001081 TITLE: Computer Security Unclassified CREATION DT:  
10/01/97 STATUS: A SESSION: N  
LONG TITLE: Computer Security for Unclassified Computer Systems

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Fluckiger, Jerry D  
SCHEDULE CONTACT: Fluckiger, Jerry D  
REFERENCE: DOE Order 1360.2B

INTENDED AUDIENCE: All staff and visitors who are here longer than a week.

SUMMARY: PNNL policies and procedures for the use of computing resources at PNNL. You may completed this Web-based training from this URL: <http://ucs.pnl.gov/csguide/>

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COURSE: 001084 TITLE: Adv Waste Management Trng CREATION DT: 02/19/98  
STATUS: A SESSION: Y  
LONG TITLE: Advanced Waste Management Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 6 /20 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 4.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Lokken,Ryan O  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area: "Working with Chemicals", "Managing Nonradioactive Chemical Waste", Managing Liqu

INTENDED AUDIENCE: All staff who have major responsibilities for the safe and compliant management of hazardous, radioactive mixed, or other wastes at PNNL. i.e. Field Service  
Rep, Env Comp Rep, Haz Mat Coord, Bldg Mgrs whose buildings contain haz waste management unit

SUMMARY: This class provides the tools that the staff member can use to safely and compliantly manage hazardous, radioactive mixed, and other wastes generated at PNNL. Class f  
ocuses on all aspects of waste management from waste minimization through waste disposal and emergency response.

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COURSE: 001085 TITLE: PNNL Guide to Criticality Sfy CREATION DT: 10/13/97  
STATUS: A SESSION: N  
LONG TITLE: Battelle Pacific Northwest Laboratories Employees' Guide to Criticality Safety

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Urie,Michael W  
SCHEDULE CONTACT: Urie,Michael W  
REFERENCE: Battelle Pacific Northwest Laboratories Employees' Guide to Criticality Safety

INTENDED AUDIENCE: REQUIRED for 325 Building Non-Fissile Handler staff requiring unescorted access to rooms or locations within the 325 Building containing criticality safety controlled areas. SUGGESTED for all 325 Building staff requiring unescorted access to rooms or

SUMMARY: This course is required for staff needing unescorted access to locations within the 325 Building where criticality safety controls and procedures are implemented. This guide provides the reader with an understanding of the factors affecting nuclear reaction rates and methods used at the laboratory to control unplanned and uncontrolled nuclear reaction (criticality) events.

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COURSE: 001086 TITLE: Asbestos 16hr Initial Trng CREATION DT: 09/18/97 STATUS: A SESSION: N  
LONG TITLE: Operations and Maintenance Asbestos 16-hour Training - Initial

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 16.H 118.00 RENEWAL COURSE/TIME/INTV: 001286 1 Y  
TECHNICAL CONTACT: Berger,James E  
SCHEDULE CONTACT: Eldhardt,Robin L  
REFERENCE: WAC 296-62-0772, section 4 (b), (c)

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INTENDED AUDIENCE: Required for noncertified employees who perform Class 3 or 4 (maintenance or custodial work not considered an asbestos project under WAC 296-65-003. Suggested for Supervisors and Work Control Specialists who will oversee such work.

SUMMARY: 16-hour course for Class III asbestos workers.

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COURSE: 001199 TITLE: MPC&A Rad Worker Refresher CREATION DT: 09/01/97  
STATUS: A SESSION: N  
LONG TITLE: Radiological Worker Training for the Material Protection, Control and Accountability (MPC&A) Program - Refresher

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Barnum,Roscoe L  
SCHEDULE CONTACT: Barnum,Roscoe L  
REFERENCE:

INTENDED AUDIENCE: Staff members who will be entering offsite radiological areas in association with MPS&A projects.

SUMMARY: This reading assignment provides refresher training on MPC&A fundamentals. This course is required to maintain qualification as a MPC&A.

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COURSE: 001200 TITLE: Substance Abuse Awareness Staf CREATION DT: 10/01/97  
STATUS: A SESSION: N  
LONG TITLE: Substance Abuse Awareness For Staff

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HR Human Resources  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Denslow,Kirby J

SCHEDULE CONTACT: Rhoads,Corinne D

REFERENCE: SBMS Subject Area - Substance Abuse Awareness

INTENDED AUDIENCE: All staff (managers have their own class to  
attend). This is presented at New Hire.

SUMMARY: To achieve awareness on the part of staff of the company  
policies and requirements regarding Substance Abuse Awareness and  
Employee Assistance Program Services.

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COURSE: 001225 TITLE: Toxic Gas Monitoring System CREATION DT:  
02/09/98 STATUS: A SESSION: N



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LONG TITLE: Toxic Gas Monitoring System Orientation and Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Vogel,Hans R  
SCHEDULE CONTACT: Rosbach, Monty L  
REFERENCE: Toxic Gas Ordinance - UFC Article 90, Santa Clara, CA, 1988

INTENDED AUDIENCE: Users of toxic compressed gases in the EMSL facility or support staff that assist in the installation of these gases.

SUMMARY: Orientation and training for Compressed Toxic Gas users/handlers in the EMSL facility. Staff must complete this training prior to using the Toxic Gas Monitoring System or any toxic gases in the EMSL facility.

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COURSE: 001236 TITLE: GEN-325-SPM1R2 CREATION DT: 03/24/98  
STATUS: A SESSION: N  
LONG TITLE: Radiochemical Processing Laboratory Sample Packaging and Movement - GEN-325-SPM1

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OSR  
Operation Safety Requirements  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Smith,Karla J  
SCHEDULE CONTACT: Smith,Karla J  
REFERENCE:

INTENDED AUDIENCE: All 325 Building staff members who package radioactive/hazardous materials within the building. Supervisors/managers who have employees that perform hazardous materials/waste or who directly affect the management

SUMMARY: This class reviews GEN-325-SPM1, "Radiochemical Processing Laboratory Sample Packaging and Movement". It is designed to serve as the basis for staff members who pack

ge and transfer radioactive/hazardous samples or materials (including SNM) within the 325 building.

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COURSE: 001237 TITLE: Crit Saf for Exempt Area Wkers CREATION DT: 05/19/98 STATUS: A SESSION: N  
LONG TITLE: Criticality Safety Training For Exempt Area Workers

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CS  
Criticality Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Dec,Mikolaj  
SCHEDULE CONTACT: Urie,Michael W  
REFERENCE: SBMS Subject Area, "Criticality Safety"

INTENDED AUDIENCE: Personnel working in a Criticality Safety Exempt Area located in a fissionable material facility.

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SUMMARY: Individual training to recognize quantities of fissionable material that exceed 3% of a minimum critical mass. Training includes reading assignment and an exercise.

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COURSE: 001244 TITLE: Electrical Safety Practices CREATION DT: 04/01/98  
STATUS: A SESSION: N  
LONG TITLE: Battelle Electrical Safety Practices

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Rosbach, Monty L  
SCHEDULE CONTACT: Taylor, Tobe R  
REFERENCE:

INTENDED AUDIENCE: All EMSL staff and users as determined by their interaction with electrical hazards as defined by EMSL Ops.

SUMMARY: Staff and visitors using electrical equipment which has exposed electrical conductors at energy, or electrical equipment which when energized has exposed electrical conductors at high energy and which is unplugged and de-energized.

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COURSE: 001247 TITLE: APEL Orientation CREATION DT: 04/21/98  
STATUS: A SESSION: N  
LONG TITLE: APEL Orientation

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 08/10/98 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Tidwell, Robbie L  
SCHEDULE CONTACT: Tidwell, Robbie L  
REFERENCE: ETD Ops APEL Director

INTENDED AUDIENCE: All PNNL resident staff and all PNNL staff,  
visitors, and collaborators who required 24-hr/7day prox card access to  
PNNL areas in the APEL facility.

SUMMARY: Information for implementation and administration of policy  
and procedures for PNNL areas in the APEL facility.

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COURSE: 001262 TITLE: EMSL Machine Shop Safety Trng CREATION DT:  
05/08/98 STATUS: A SESSION: N  
LONG TITLE: EMSL Machine Shop Safety Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y

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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Taylor,Tobe R  
SCHEDULE CONTACT: Taylor,Tobe R  
REFERENCE: None

INTENDED AUDIENCE: Research staff, users, and collaborators who need  
to use the EMSL Machine Shop.

SUMMARY: Hands-on orientation with equipment in the EMSL User Machine  
Shop. Classroom instruction, testing on equipment, safety procedures.  
Course is limited to 2 people at a  
time.

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COURSE: 001265 TITLE: RWII - Fume Hood Retraining CREATION DT:  
05/28/98 STATUS: A SESSION: N  
LONG TITLE: PNNL Radiological Worker II Retrain with Fume Hood Retrain  
Practical

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 6.H 420.00 RENEWAL COURSE/TIME/INTV:  
001266 1 Y  
TECHNICAL CONTACT: Byrne,Kelly  
SCHEDULE CONTACT: Page Jr,Lawrence A  
REFERENCE: RCP-3.4.04 Radiological Work in Fume Hoods and on Bench Tops

INTENDED AUDIENCE: PNNL staff requiring retraining on both Rad Work in  
Fume Hoods (688) and Rad Worker II retraining (821) when performing rad  
work in fume hoods and/or on ben  
chtops and who DO NOT need unescorted access to Fluor Daniel Handford  
(FDH) contaminated areas

SUMMARY: This course provides instruction in rad fundamentals,  
biological effects, rad limits, ALARA principles, personnel monitoring,  
contamination control, rad postings, cont  
rols, rad emergencies, high/very high radiation area work practices and  
practical application as it applies to rad work in fume hoods and/or on  
benchtops. This course will sati

sfy both PNNL Rad Worker II Retrain and Rad Fume Hood/Benchtop-Practical  
(688) retrain requirements.

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COURSE: 001266 TITLE: RWII - Fume Hood Refresher CREATION DT:  
06/23/98 STATUS: A SESSION: N  
LONG TITLE: Radiological Worker II in Fume Hood and on Bench Tops  
Refresher

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Byrne,Kelly  
SCHEDULE CONTACT: Page Jr,Lawrence A  
REFERENCE:

INTENDED AUDIENCE: Qualified Radiological Worker II in Fume Hood and  
on Bench Tops workers.

SUMMARY: This reading assignment provides refresher training on  
radiological fundamentals and good radiological control practices as  
they apply to Fume Hoods and Bench Tops.

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COURSE: 001267 TITLE: Project Management Training CREATION DT: 07/15/98  
STATUS: A SESSION: N  
LONG TITLE: Project Management Requirements Training

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: PMS Project Management  
REVISION DT/NBR: 04/08/99 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Howard,Lowell E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNNL Subject Area, Project Management

INTENDED AUDIENCE: Staff members who are identified as Project Managers and/or Product Line Managers as well as their Line Managers.

SUMMARY: This self-paced web-based training course educates Project Managers and Project Line Managers with Battelle's project management process to include the minimum requirements for conducting project work at PNNL. Line Managers of these staff are also encouraged to complete this training.

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COURSE: 001268 TITLE: RGD51/52/53-OTP, Rev. 0 CREATION DT: 06/08/98  
STATUS: A SESSION: N  
LONG TITLE: Operator Training Plan: PNNL RGDs #51, #52, and #53

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: McCready,David E  
SCHEDULE CONTACT: McCready,David E  
REFERENCE: Operator Training Plan: PNNL RGD #51, #52 & #53

INTENDED AUDIENCE: Operators of equipment in RCHN/EMSL/1330 (RGDs #52 and #53) and RCHN/EMSL/1422 (RGD #51)

SUMMARY: This document describes procedures for qualification of Operators of PNNL RGDs #51, #52, and #53.

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COURSE: 001271 TITLE: RW Class III RGD Initial CREATION DT:  
10/27/98 STATUS: A SESSION: N  
LONG TITLE: Radiation Worker Class III Radiation Generating Device  
Training - Initial

DELIVERY METHOD:	Web Based	RETRAIN TIME/INTERVAL:	2 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	RAD
Radiation Control			
REVISION DT/NBR:	0	EXTERNAL/INTERNAL:	I
DURATION TIME/INTV/COST:	1.H 50.00	RENEWAL COURSE/TIME/INTV:	
0 Y			
TECHNICAL CONTACT:	Kovach,Anthony A		



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SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: SBMS Subject Area "Radiological Training for Staff,"  
Section1, "Determining Radiological Training fo

INTENDED AUDIENCE: Class III RGD operators and custodians

SUMMARY: This course provides instruction in characteristics of gamma and X ray radiation, units of radiation dose and radioactivity, hazards of radiation exposure, levels of radiation from Class III RGDs, methods of controlling radiation dose, histories of radiation generating accidents, and emergency procedures.

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COURSE: 001273 TITLE: MSL Rad Worker Initial Trng CREATION DT: 05/29/98  
STATUS: A SESSION: N  
LONG TITLE: MSL Radiation Worker Initial Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 8.H 0.00 RENEWAL COURSE/TIME/INTV: 001274 1 Y  
TECHNICAL CONTACT: Sula,Monte J  
SCHEDULE CONTACT: Sula,Monte J  
REFERENCE: Chapter 246-221 Washington Administrative Code

INTENDED AUDIENCE: Staff needing to work with licensed radioactive material or in radiological areas at MSL who have not previously completed this training or RWII (821) training.

SUMMARY: This course provides training for staff who need to work with radioactive materials or in radiological areas at the Marine Sciences Laboratory (MSL) in Sequim. This is for staff who will not need to perform radiological work in Richland or at offsite locations.

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COURSE: 001274 TITLE: MSL Rad Worker Refresher Trng CREATION DT: 05/29/98  
STATUS: A SESSION: N  
LONG TITLE: MSL Radiation Worker Refresher Training

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 1 Y

MIN/MAX STUDENTS: 0 /0  
Radiation Control  
REVISION DT/NBR: 0  
DURATION TIME/INTV/COST: 1.H 0.00  
0 Y  
EXTERNAL/INTERNAL: I  
RENEWAL COURSE/TIME/INTV:  
TECHNICAL CONTACT: Sula, Monte J  
SCHEDULE CONTACT: Sula, Monte J  
REFERENCE: Chapter 246-221 Washington Administrative Code

INTENDED AUDIENCE: Staff needing to work with licensed radioactive material or in radiological areas at MSL who have completed their initial MSL Rad Worker Training (1273) or RW II (821) training, and who have not received their initial or refresher training in the pas

SUMMARY: This course provides refresher training for staff who need to work with radioactive materials or in radiological areas at the Marine Sciences Laboratory (MSL) in Sequi m. This is for staff who will not need to perform radiological work in Richland or at offsite locations.

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COURSE: 001279 TITLE: Operator Trng RGD #54 CREATION DT: 10/14/98  
STATUS: A SESSION: N  
LONG TITLE: Operator Training Plan: PNNL RGD #54

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: McCready,David E  
SCHEDULE CONTACT: McCready,David E  
REFERENCE: Operator Training Plan: PNNL RGD #54

INTENDED AUDIENCE: Operators of equipment in RCHN/EMSL/1330 (RGDs #54)

SUMMARY:

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COURSE: 001280 TITLE: RPL Mngt System/Crit Safety CREATION DT: 10/13/98  
STATUS: A SESSION: N  
LONG TITLE: Radiochemical Processing Laboratory (RPL) Management Systems  
Description and Overview of the Criticality Safety Program at the RPL

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 10/01/99 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 8.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Casazza,Lawrence O  
SCHEDULE CONTACT: Sirrs,Anita E  
REFERENCE: PNL-MA-250, RPL Operations Manual, RPL Laboratory Handbook  
and various RPL Training Manuals

INTENDED AUDIENCE: This training is required to receive prox card  
access to the RPL (325). It is also required for unescorted entry into  
any Radiologically Controlled Area (RCA) in the RPL.  
Training can be accessed at:  
<http://w3.pnl.gov/facops2/325/train/rpltrain.ht>

SUMMARY: To familiarize the trainee with the requirements that apply while performing work in the RPL and the management systems and tools available to comply with these requirements. In addition, to provide an overview of the potential hazards of uncontrolled nuclear reactions that exist in the 325 Building and criticality safety program established to control this hazard.

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COURSE: 001283 TITLE: RPG Training Manual CREATION DT: 10/01/98 STATUS: A SESSION: N  
LONG TITLE: Radiochemical Processing Group (RPG) Training Manual

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OSR  
Operation Safety Requirements  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Schlotman,Teresa T  
SCHEDULE CONTACT: Schlotman,Teresa T  
REFERENCE: SBMS, Subject Area, Nuclear Facilities Training

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INTENDED AUDIENCE: All RPG staff who perform, supervise, or manage activities within the RPL/325 Bldg.

SUMMARY: The RPG Training Manual was created to provide assurance that the decisions and actions of staff will result in the proper and safe execution of their assigned responsibilities. The RPG Training Manual implements the requirements and responsibilities contained within the SBMS, Nuclear Facilities Training.

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COURSE: 001284 TITLE: RPL Operations Manual CREATION DT: 10/01/98  
STATUS: I SESSION: N  
LONG TITLE: Radiochemical Processing Laboratory (RPL) Operations Manual

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OSR  
Operation Safety Requirements  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Schlotman,Teresa T  
SCHEDULE CONTACT: Schlotman,Teresa T  
REFERENCE:

INTENDED AUDIENCE: All staff who perform, supervise, or manage activities within the RPL/325 Bldg.

SUMMARY: The purpose of the training for the RPL Operations Manual is to provide information about the organizational structure for the RPL, how to obtain access to the RPL, and how work is brought in and controlled in the RPL. The RPL Operations Manual will define how Conduct of Operations is implemented in RPL, and cover other topics, such as training, quality assurance, self-assessments, and procedure writing.

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COURSE: 001285 TITLE: RPL Laboratory Handbook CREATION DT: 10/01/98  
STATUS: I SESSION: N  
LONG TITLE: Radiochemical Processing Laboratory (RPL) Laboratory Handbook

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 0 Y

MIN/MAX STUDENTS: 0 /0  
Operation Safety Requirements  
REVISION DT/NBR: 0  
DURATION TIME/INTV/COST: 2.H 0.00  
0 Y  
TECHNICAL CONTACT: Schlotman,Teresa T  
SCHEDULE CONTACT: Schlotman,Teresa T  
REFERENCE:

COURSE CATEGORY: OSR

EXTERNAL/INTERNAL: I

RENEWAL COURSE/TIME/INTV:

INTENDED AUDIENCE: All RPL staff who perform or supervise activities within the RPL/325 Bldg.

SUMMARY: The purpose of the training for the RPL Laboratory Handbook is to provide RPL staff members with a set of work practices that implement the SBMS requirements most important to work performed in the RPL. These work practices are specific to the way work is performed in the RPL. RPL staff members will be responsible for complying with the requirements and procedures contained in this handbook.

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COURSE: 001286 TITLE: Asbestos Refresher-O&M Staff CREATION DT: 10/15/98  
STATUS: A SESSION: N

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LONG TITLE: Operations & Maintenance Staff Asbestos Refresher Training

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HC Hazard  
Communication  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 85.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Fullmer,Michael W  
SCHEDULE CONTACT: Nelson,Susan K  
REFERENCE: OSHA 29 CFR 1910.1001 and Washington Administrative Code  
(WAC) 296-62, -65

INTENDED AUDIENCE: Required Audience: Noncertified Crafts asbestos  
workers who perform repair or maintenance operations during which  
asbestos-containing-material may be disturb  
ed.

Suggested Audience: Supervisors and work control specialists who oversee  
such work.

SUMMARY: Refresher training for noncertified Class III Crafts asbestos  
workers (repair or maintenance operations during which asbestos-  
containing-material may be disturbed) who  
have completed the 16-hour Operations and Maintenance Asbestos Worker  
Initial Training (Course 1086).

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COURSE: 001298 TITLE: Operator Training Plan: RGD#59 CREATION DT:  
12/01/98 STATUS: A SESSION: N  
LONG TITLE: Operator Training Plan: RGD #59

DELIVERY METHOD: Reading RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RAD  
Radiation Control  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 8.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Lindenmeier,Clark W  
SCHEDULE CONTACT: Lindenmeier,Clark W  
REFERENCE: Operation Training Plan: PNNL RGD #59 and Attachment A

INTENDED AUDIENCE: Operators of RGD #59

SUMMARY: Operation of X-ray Micro-focus Tomography System - XMT (RGD  
#59)

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COURSE: 001299 TITLE: Beginning MS Word CREATION DT:  
01/07/98 STATUS: A SESSION: N  
LONG TITLE: Beginning MS Word

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 7.H 95.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: SES Publishing Computer Training Manuals

INTENDED AUDIENCE: Beginning MS Word users or beginning word  
processors



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SUMMARY: Covers basic word processing concepts for MS Word. Create and save documents, change document layout, edit documents, use MS Word tools, and work with text. The combined courses, Word97: Introduction (MOUS Version) and Word 97: Intermediate (MOUS Version) include discussions and exercises for all topics on the Microsoft Office User Specialist, Proficient-level test.

\*\*\*\*\*

COURSE: 001300 TITLE: Price Anderson Act Overview CREATION DT: 01/14/99  
STATUS: A SESSION: Y  
LONG TITLE: Price Anderson Amendments Act Overview

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 2 /20 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Doyle,Richard J  
SCHEDULE CONTACT: Doyle,Richard J  
REFERENCE: Price Anderson Amendments Act

INTENDED AUDIENCE: Suggested for Managers who manage work or provide programmatic direction subject to the requirements of 10 CFR 830.120, "Quality Assurance Requirements" OR 10 CFR 835, Occupational Radiation Protection." This may include the following types of management

SUMMARY: This course will familiarize managers of radiological work and work performed in nuclear facilities, radiological workers, and workers in nuclear facilities with PAAA requirements at the Laboratory and with the processes for identifying, reporting, evaluating nuclear safety noncompliances.

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COURSE: 001302 TITLE: Beginning MS Outlook CREATION DT: 01/15/99  
STATUS: A SESSION: N  
LONG TITLE: Beginning MS Outlook

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 6.H 89.00 RENEWAL COURSE/TIME/INTV: 0 Y

TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Oberg,Jonathan A  
REFERENCE: SES Publishing Computer Training Manuals

INTENDED AUDIENCE: Beginning MS Outlook users

SUMMARY: MS Outlook is an integrated desktop application that helps you schedule appointments and tasks, keep track of contacts in an easy-to-use database, jot down notes, send and receive faxes and e-mail, organize your files, and much more. The combined courses, Introduction to MS Outlook (MOUS Version) and Customizing MS Outlook (MOUS Version), include discussions and exercises for all topics covered on Microsoft's Expert-level MOUS test for Outlook.

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COURSE: 001303 TITLE: Intermediate MS Word CREATION DT:  
01/15/98 STATUS: A SESSION: N  
LONG TITLE: Intermediate MS Word

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y

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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 6.H 89.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE:

INTENDED AUDIENCE: Beginning to Intermediate MS Word users or word processors

SUMMARY: Word 97: Intermediate (MOUS Version), enhance the word processing skills learned in Word 97. The combined courses, Word97: Introduction (MOUS Version) and Word 97: Intermediate (MOUS Version) include discussions and exercises for all topics on the Microsoft Office User Specialist, Proficient-level test.

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COURSE: 001304 TITLE: Advanced MS Word CREATION DT:  
02/15/99 STATUS: A SESSION: N  
LONG TITLE: Advanced MS Word

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 7.H 95.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: Active Education/SES1 Publishing Computer Training Manuals

INTENDED AUDIENCE: Advanced MS Word users or advanced word processors.

SUMMARY: This course is designed to enhance the skills learned in Word 97: Intro and Interim. It is recommended that students have knowledge of Word 7.0 Intro or Word 97 prior to taking this class. The combined courses, Word 97: Intro, Interim & Advanced (MOUS version) include discussions and exercises for all topics on the MS Office User Specialist, Expert-level test.

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COURSE: 001305 TITLE: Beginning MS Excel CREATION DT:  
02/15/99 STATUS: A SESSION: N

LONG TITLE: Beginning MS Excel

DELIVERY METHOD:	Instructor Led	RETRAIN TIME/INTERVAL:	0 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	CPU Computer
REVISION DT/NBR:	0	EXTERNAL/INTERNAL:	I
DURATION TIME/INTV/COST:	7.H 95.00	RENEWAL COURSE/TIME/INTV:	
	0 Y		
TECHNICAL CONTACT:	Perez,Sara T		
SCHEDULE CONTACT:	Perez,Sara T		
REFERENCE:	ActiveEducation Computer Training Manuals		

INTENDED AUDIENCE: Beginning MS Excel users.

SUMMARY: MS Excel presents the basic operations for creating and editing worksheets and charts.

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COURSE: 001306 TITLE: Beginning MS PowerPoint CREATION DT: 02/15/99  
STATUS: A SESSION: N  
LONG TITLE: Beginning MS PowerPoint

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 7.H 95.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: ActiveEducation Computer Training Manuals

INTENDED AUDIENCE: Beginning MS PowerPoint users.

SUMMARY: PowerPoint is a powerful presentation graphics package. It covers the basic concepts for creating and producing overheads, slide shows, and presentations.

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COURSE: 001307 TITLE: Beginning MS Access CREATION DT: 02/15/99  
STATUS: A SESSION: N  
LONG TITLE: Beginning MS Access

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 7.H 95.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: ActiveEducation Computer Training Manuals.

INTENDED AUDIENCE: Beginning MS Access users.

SUMMARY: Access is a powerful database management system for microcomputers. This course presents methods for performing basic database management tasks. Although no prior knowledge of databases is required, students should be familiar with basic computer operations.

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COURSE: 001309 TITLE: PNNL Computer Orientation CREATION DT:  
02/15/99 STATUS: A SESSION: N  
LONG TITLE: Computer Orientation for Battelle Northwest Staff

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 4.H 45.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Perez,Sara T

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SCHEDULE CONTACT: Perez, Sara T  
REFERENCE: Computer Training Manual created by us and for us.

INTENDED AUDIENCE: New staff at PNNL or staff needing more computer skills.

SUMMARY: This course is designed to provide information and skills as they relate to our site's network PC computer systems. Topics covered: logging on to our network, using Po pFon, electronic time reporting (ETR), using Outlook for email and other features such as scheduling meetings in our meeting rooms, using the Battelle Northwest/PNNL templates and macros, using the Netscape browser to find information on our site, networking on our site, what printers are available and using virus protection software

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COURSE: 001310 TITLE: RCT Qualification Standard CREATION DT: 02/22/99  
STATUS: A SESSION: N  
LONG TITLE: Radiological Control Technician Qualification Standard

DELIVERY METHOD: Qualification RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RCT  
Radiological Control Tech  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Allen, Jerry L  
SCHEDULE CONTACT: Allen, Jerry L  
REFERENCE: Radiological Control Technician Training and Qualification Plan for the Pacific Northwest National L

INTENDED AUDIENCE: RCTs, RCT Supervisors and Rad Control Operations Work Control Specialists

SUMMARY: This course documents that the individual has successfully completed required prerequisite training courses and that appropriate PNNL Management has approved them as a qualified PNNL RCT.

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COURSE: 001315 TITLE: RPL RLW Tank Mixing & Sampling CREATION DT: 03/01/99  
STATUS: A SESSION: N  
LONG TITLE: RPL Building RLW Tank Mixing and Sampling

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste  
Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Faulk,Darrin E  
SCHEDULE CONTACT: Faulk,Darrin E  
REFERENCE: Operating Procedure HWTU-025, RLW Tank Mixing/Sampling

INTENDED AUDIENCE: Staff who will perform mixing and/or sampling of  
the RLW Tank system in the basement of the Radiochemical Processing  
Laboratory.

SUMMARY: On-the-job training will consist of reading procedure, HWTU-  
025 RLW Tank Mixing/Sampling. Following the reading assignment, the  
trainer will give a demonstration of t  
he mixing/sampling procedure. Topics covered during this demonstration  
include when to mix; how to mix; how to sample; and emergency response.  
The trainee will then perform th  
e procedure.

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COURSE: 001316 TITLE: RPL RLW Tank pH Adjustment CREATION DT: 03/01/99  
STATUS: A SESSION: N  
LONG TITLE: RPL Building RLW Tank pH Adjustment

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Faulk,Darrin E  
SCHEDULE CONTACT: Faulk,Darrin E  
REFERENCE: Operating Procedure HWTU-026, RLW Tank pH Adjustment

INTENDED AUDIENCE: Staff who will perform mixing and pH adjustment of the RLW Tank system in the basement of the Radiochemical Processing Laboratory.

SUMMARY: On-the-job training will consist of readin procedure HWTU-026 RLW Tank pH Adjustment. Following the reading assignment, the trainer will give a demonstration of the m  
ixing/sampling procedure. Topics covered during this demonstration include when to adjust pH; how to mix; and emergency response. The trainee will then perform the procedure.

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COURSE: 001317 TITLE: RPL RLW Tank Waste Transfer CREATION DT: 03/01/99  
STATUS: A SESSION: N  
LONG TITLE: RPL Building RLW Tank Waste Transfer

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste Management  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 4.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Faulk,Darrin E  
SCHEDULE CONTACT: Faulk,Darrin E  
REFERENCE: Operating Procedure HWTU-027, RLW Tank Transfer Operating Procedure

INTENDED AUDIENCE: Staff who will perform waste transfer operations from the RLW Tank system in the basement of the Radiochemical Processing Laboratory to the LR-56 cask in th  
e RPL-A truck lock.

SUMMARY: On-the-job training will consist of readin procedure HWTU-027  
RLW Tank Transfer Operating Procedure. Following the reading  
assignment, the trainer will discuss key po  
ints of the procedure. Topics covered during this discussion will  
include how to mix; how to set up the receipt cask; how to transfer;  
required notifications; and emergency res  
ponse. The trainer and trainee will step through the procedure together  
and then the trainee will perform the procedure on his/her own.

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COURSE: 001318 TITLE: RPL RLW Tank Remote Insp/Leak CREATION DT:  
03/01/99 STATUS: A SESSION: N  
LONG TITLE: RPL Building RLW Tank Remote Inspections and Leak Detection

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: WM Waste  
Management

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Faulk,Darrin E

SCHEDULE CONTACT: Faulk,Darrin E

REFERENCE: Operating Procedure HWTU-028, RLW Tank Remote Visual  
Inspection

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INTENDED AUDIENCE: Staff who will perform remote visual inspections of the RLW Tank system in the basement of the Radiochemical Processing Laboratory.

SUMMARY: On-the-job training will consist of reading procedure, HWTU-028 RLW Tank Remote Visual Inspection. Following the reading assignment, a demonstration of the remote inspection procedure will be given by the trainer. Topics covered during this demonstration include: required inspection areas within the tank system; optimum viewing locations; inspection equipment operation; leak detection; current condition of the waste tank; completion of the daily inspection log; and emergency response. The tr

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COURSE: 001320 TITLE: 2400 Fab Lab Lathe OJT CREATION DT: 03/22/99  
STATUS: A SESSION: N  
LONG TITLE: 2400 Stevens Fabrication Laboratory Lathe Operation OJT

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 6 M  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 05/26/99 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Watts,Michael W  
SCHEDULE CONTACT: Kindall,Kathleen L  
REFERENCE: OJT evaluation checklist

INTENDED AUDIENCE: Personnel using the 2400 Stevens Fabrication Laboratory.

SUMMARY: An OJT evaluation checklist is used to demonstrate that potential 2400 Stevens Fabrication Laboratory users can safely and properly operate the lathe.

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COURSE: 001321 TITLE: 2400 Fab Lab Mill OJT CREATION DT: 03/22/99  
STATUS: A SESSION: N  
LONG TITLE: 2400 Stevens Fabrication Laboratory Mill Operation OJT

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 6 M

MIN/MAX STUDENTS: 0 /0  
Industrial Safety  
REVISION DT/NBR: 05/26/99 1  
DURATION TIME/INTV/COST: 1.H 0.00  
0 Y  
TECHNICAL CONTACT: Watts,Michael W  
SCHEDULE CONTACT: Kindall,Kathleen L  
REFERENCE: OJT evaluation checklist

COURSE CATEGORY: IS

EXTERNAL/INTERNAL: I

RENEWAL COURSE/TIME/INTV:

INTENDED AUDIENCE: Personnel using the 2400 Stevens Fabrication Laboratory.

SUMMARY: An OJT evaluation checklist is used to demonstrate that potential 2400 Stevens Fabrication Laboratory users can safely and properly operate the mill.

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COURSE: 001322 TITLE: 2400 Fab Lab Drill Press OJT CREATION DT:  
03/22/99 STATUS: A SESSION: N

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LONG TITLE: 2400 Stevens Fabrication Laboratory Small and Large Drill  
Press Operation OJT Evaluations

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 6 M  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 05/26/99 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Watts,Michael W  
SCHEDULE CONTACT: Kindall,Kathleen L  
REFERENCE: OJT evaluation checklist

INTENDED AUDIENCE: Personnel using the 2400 Stevens Fabrication  
Laboratory.

SUMMARY: An OJT evaluation checklist is used to demonstrate that  
potential 2400 Stevens Fabrication Laboratory users can safely and  
properly operate the small and large drill  
presses.

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COURSE: 001323 TITLE: 2400 Fab Lab Press/Shear OJT CREATION DT:  
03/22/99 STATUS: A SESSION: N  
LONG TITLE: 2400 Stevens Fabrication Laboratory Press, Shear, and Brake  
Operation OJT Evaluations

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 6 M  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 05/26/99 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Watts,Michael W  
SCHEDULE CONTACT: Kindall,Kathleen L  
REFERENCE: OJT evaluation checklist

INTENDED AUDIENCE: Personnel using the 2400 Stevens Fabrication  
Laboratory.

SUMMARY: An OJT evaluation checklist is used to demonstrate that  
potential 2400 Stevens Fabrication Laboratory users can safely and  
properly operate the press, sheer, and brake  
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COURSE: 001324 TITLE: 2400 Fab Lab Band/Wet Saws OJT CREATION DT:  
03/22/99 STATUS: A SESSION: N  
LONG TITLE: 2400 Stevens Fabrication Laboratory Stationary Saws  
Operation OJT Evaluations

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 6 M  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 05/26/99 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Watts,Michael W  
SCHEDULE CONTACT: Kindall,Kathleen L  
REFERENCE: OJT evaluation checklist

INTENDED AUDIENCE: Personnel using the 2400 Stevens Fabrication  
Laboratory.

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SUMMARY: An OJT evaluation checklist is used to demonstrate that potential 2400 Stevens Fabrication Laboratory users can safely and properly operate the band saw, horizontal band saw, and wet saw.

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COURSE: 001325 TITLE: 2400 Fab Lab Abrasive Mach OJT CREATION DT: 03/22/99  
STATUS: A SESSION: N  
LONG TITLE: 2400 Stevens Fabrication Laboratory Electrical Powered Abrasive Machines Operation OJT Evaluation

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 6 M  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: IS  
Industrial Safety  
REVISION DT/NBR: 05/26/99 1 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Watts,Michael W  
SCHEDULE CONTACT: Kindall,Kathleen L  
REFERENCE: OJT evaluation checklist

INTENDED AUDIENCE: Personnel using the 2400 Stevens Fabrication Laboratory.

SUMMARY: An OJT evaluation checklist is used to demonstrate that potential 2400 Stevens Fabrication Laboratory users can safely and properly operate the pedestal grinder, belt sander, and pedestal buffer.

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COURSE: 001327 TITLE: Remote Outlook CREATION DT: 03/22/99  
STATUS: A SESSION: N  
LONG TITLE: Remote Outlook

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 20.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: \ppg webpage or handout from helpdesk.

INTENDED AUDIENCE: Exchange/Outlook users.

SUMMARY: How to use Exchange when out of the office (two primary methods). Accessing your folders for offline use, configuring system for remote access.

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COURSE: 001328 TITLE: Advanced Outlook CREATION DT:  
03/22/99 STATUS: A SESSION: N  
LONG TITLE: Advanced Outlook

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y



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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 20.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE:

INTENDED AUDIENCE: Outlook users.

SUMMARY: How to use the advanced features of Outlook. Setting up  
rules, using the out of Office Assistant, configuring the Archive  
feature, and much more.

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COURSE: 001329 TITLE: Intermediate MS Excel CREATION DT:  
03/15/99 STATUS: A SESSION: N  
LONG TITLE: Intermediate MS Excel

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 7.H 95.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: ActiveEducation Computer Training Manuals

INTENDED AUDIENCE: Beginning MS Excel users.

SUMMARY: This course builds upon the basic operations for creating and  
editing worksheets and charts that were learned in Beginning Excel 97.  
A basic knowledge of Excel 7.0 or  
Excel 97 is required.

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COURSE: 001330 TITLE: Intermediate MS PowerPoint CREATION DT:  
03/15/99 STATUS: A SESSION: N  
LONG TITLE: Intermediate MS PowerPoint

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 7.H 95.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: ActiveEducation Computer Training Manuals.

INTENDED AUDIENCE: Beginning MS PowerPoint users.

SUMMARY: PowerPoint is a powerful presentation graphics package that allows you to create overheads, slide shows, and presetations. This course is designed to enhance the skill  
ls acquired in Beginning Powerpoint 97. The prerequisite for this course is experience with PowerPoint basics.

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COURSE: 001331 TITLE: Customizing MS Outlook CREATION DT: 03/15/99  
STATUS: A SESSION: N  
LONG TITLE: Customizing MS Outlook

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 7.H 95.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: ActiveEducation Computer Training Manuals.

INTENDED AUDIENCE: Beginning Outlook users.

SUMMARY: Customizing Microsoft Outlook is a continuation of Beginning Microsoft Outlook, and focuses on the flexibility of Outlook, and explores the many ways you can customize this program to fit your work style. This course is designed for students who are familiar with Windows 95, and the Other Office 97 applications.

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COURSE: 001332 TITLE: Advanced MS Excel CREATION DT: 03/15/99  
STATUS: A SESSION: N  
LONG TITLE: Advanced MS Excel

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: CPU Computer  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 7.H 95.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Perez,Sara T  
SCHEDULE CONTACT: Perez,Sara T  
REFERENCE: ActiveEducation Computer Training Manuals

INTENDED AUDIENCE: MS Excel users.

SUMMARY: Advanced Microsoft Excel 97 is designed to enhance the skills acquired in intermediate Microsoft Excel 97. This course presents features designed to customize your Ex

cel environment, including creating dialog boxes to give feedback to other users, protecting cells and worksheets, analyzing data using Goal Seek and Scenarios, and managing macros.

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COURSE: 001334 TITLE: Rad Material Tracking for Staff CREATION DT: 05/01/99 STATUS: A SESSION: N  
LONG TITLE: Radioactive Material Tracking for Staff, Adm. Proc. RPL-ADMIN-002

DELIVERY METHOD:	Reading	RETRAIN TIME/INTERVAL:	0 Y
MIN/MAX STUDENTS:	0 /0	COURSE CATEGORY:	RAD
Radiation Control			
REVISION DT/NBR:	0	EXTERNAL/INTERNAL:	I
DURATION TIME/INTV/COST:	0.H	0.00	RENEWAL COURSE/TIME/INTV:
0 Y			
TECHNICAL CONTACT: Urie,Michael W			

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SCHEDULE CONTACT: Ray, Sherri E  
REFERENCE: PNNL Operating Procedure, "Radioactive Material Tracking  
Instruction", RPL-SA-001 Rev 3

INTENDED AUDIENCE: REQUIRED FOR: RPL Cognizant Space Managers, RPL  
Cognizant Space Alternates and RPL Laboratory Staff receiving,  
processing, moving or storing Nuclear Material  
1, Fissionable Material, or any radioactive material exceeding 0.01  
curies (Pu-239 equivalents)

SUMMARY: The course details the roles and responsibilities and the  
various radioactive material inventory tracking requirements for  
receiving, processing, moving, or storing ra  
dioactive material (including Nuclear Material and fissionable material)  
in the RPL. The course provides the protocol for entering and removing  
radioactive material from rooms,  
criticality safety controlled areas, and tritium designated locations.

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COURSE: 001335 TITLE: MSA PAPR Full Facepiece CREATION DT:  
05/01/99 STATUS: A SESSION: N  
LONG TITLE: MSA PAPR Full Facepiece Respirator

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 3.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson, Susan K  
SCHEDULE CONTACT: Rhoads, Corinne D  
REFERENCE: OSHA 29 CFR 1910.134; ANSI Z88.2-1992; OSHA 29 CFR 1926.103;  
DOE Order 5480.4; OSHA 29 CFR 1910.139

INTENDED AUDIENCE: All staff who use PAPR unit with full facepiece  
respirator.

SUMMARY: This course is specifically for staff who use the PAPR  
(powered air-purifying respirator) unit with MSA full facepiece  
respirator. It provides instruction in proper u  
se for entry, exit or routine work conditions which mandate its use.  
Prerequisites are: basic respiratory protection (PNNL course 716),  
current HEHF medical exam and current FD  
H mask fit card.

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COURSE: 001336 TITLE: Bottle Cart Supplied Air Syst CREATION DT:  
05/01/99 STATUS: A SESSION: N  
LONG TITLE: Bottle Cart Supplied Air System Operator

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: OSHA 29 CFR 1910.134; ANSI Z88.2-1992; OSHA 29 CFR 1926.103;  
DOE Order 5480.4; OSHA 29 CFR 1910.139

INTENDED AUDIENCE: All staff who operate bottle cart supplied air  
system.

SUMMARY: This course is specifically for staff whose job scope requires  
them to operate a bottle cart. This course will qualify them to operate  
a bottle cart. It provides inst  
ruction in proper operation, set-up, and procedural shutdown of the  
bottle cart. Training provided at HAMMER. Prerequisites are: Basic RP  
(716), Respiratory Protection-Airline  
(717), current HEHF medical exam and current FDH mask fit card.

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COURSE: 001337 TITLE: MSA PAPR w/Disposable Hood CREATION DT:  
05/01/99 STATUS: A SESSION: N  
LONG TITLE: MSA PAPR w/ Disposable Hood Respirator

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Nelson,Susan K  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: OSHA 29 CFR 1910.134 and .139; ANSI Z88.2-1992

INTENDED AUDIENCE: All staff who use PAPR unit with disposable hood  
respirator.

SUMMARY: This course is specifically for staff who use the PAPR  
(powered air-purifying respirator) unit with MSA disposable hood  
respirator. It provides instruction in proper  
use for entry, exit and routine work conditions which mandate its use.  
Training provided at HAMMER. Prerequisites are: Basic RP (716) and  
current HEHF medical exam. No mask f  
it is required to complete this course.

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COURSE: 001345 TITLE: 329-NC-NMF-10, Rev. 0 CREATION DT:  
07/13/99 STATUS: A SESSION: N  
LONG TITLE: Preparation, Removal, and Transport of the Fuel Assembly  
from the Neutron Multiplier Facility to Radiochemical Processing  
Laboratory, Operating Procedure 329-NC-NMF-

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 20.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Steele,Rick T  
SCHEDULE CONTACT: Thornhill,Randy E  
REFERENCE: Operating Procedure 329-NC-NMF-10, Rev. 0

INTENDED AUDIENCE: Assigned staff to this project.

SUMMARY: The purpose of this course is to ensure staff are trained and qualified to remove the Neutron Multiplier Facility (NMF) fuel assembly (core) from the NMF pool and package and transfer the core from the 329 Building to the Radiochemical Processing Laboratory (RPL).

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COURSE: 001346 TITLE: NMF Core Disassembly CREATION DT: 07/13/99 STATUS: A SESSION: N  
LONG TITLE: Neutron Multiplier Facility Core Disassembly, Rev. 0 (SFO-NMF-1)

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures

REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 20.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y

TECHNICAL CONTACT: Steele,Rick T

SCHEDULE CONTACT: Steele,Rick T

REFERENCE: Neutron Multiplier Facility Core Disassembly, Rev. 0 (SFO-NMF-1)



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INTENDED AUDIENCE: Assigned staff to this project.

SUMMARY: The purpose of this course is to ensure Shielded Facilities Operations (SFO) Technicians are trained and qualified to receive, disassemble, and repackage fuel pins from the Neutron Multiplier Facility (NMF) Fuel Assembly (core). The NMF core will be transferred to the RPL from the 329 building. The core will be loaded into a mini hot cell and disassembled to recover two-hundred and fifty-seven (257) individual fuel pins. Twenty to thirty pins will be loaded into an inner liner, which in turn

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COURSE: 001347 TITLE: SFO Limited Area Islands CREATION DT: 08/18/99  
STATUS: A SESSION: N  
LONG TITLE: Shielded Facilities Operations (SFO) Limited Area Islands

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 2 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: OSR  
Operation Safety Requirements  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Steele,Rick T  
SCHEDULE CONTACT: Steele,Rick T  
REFERENCE: Shielded Analytical Laboratory LAI Security Checklist, Rev 0, Room 203

INTENDED AUDIENCE: Shielded Facilities Operations (SFO) staff.

SUMMARY: The purpose of this course is to ensure Shielded Facilities Operations (SFO) staff understand and implement the appropriate requirements to access and secure the Room 203 Limited Area Island (LAI).

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COURSE: 001353 TITLE: 338-PIC-INST CREATION DT: 07/28/99  
STATUS: A SESSION: N  
LONG TITLE: Tritium Target Fabrication Facility (TTFF) Person in Charge (PIC)

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y

MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 4.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Telander, Monty R  
SCHEDULE CONTACT: Casazza, Lawrence O  
REFERENCE: PNNL Operating Procedure 338-PIC-INST

INTENDED AUDIENCE: Person in Charge (PIC) for Tritium Target  
Fabrication Facility (TTFF)

SUMMARY: This course will train the student to serve as a Tritium  
Target Fabrication Facility (TTFF) Person in Charge (PIC).

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COURSE: 001356 TITLE: PAPR with Hood CREATION DT:  
08/23/99 STATUS: A SESSION: N

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Run Date 10/13/1999

Run Time 12:34:39

LONG TITLE: Respiratory Protection Training for Powered Air Purifying Respirators (PAPR) Equipped with Hoods

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 1 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: RP  
Respiratory Protection  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Mitchell,Roger D  
SCHEDULE CONTACT: Nicholson,Abby L  
REFERENCE: SBMS, Respiratory Protection

INTENDED AUDIENCE: All staff members who are prescribed PAPR respirators equipped with hoods as protection against hazardous atmospheres. You must have completed Basic Respiratory Protection (716) and have a current medical approval to wear respirators.

SUMMARY: This course completes the training requirements qualifying staff members to wear PAPR respirators with hoods. The course includes maintenance, storage, and proper use procedures, as well as respirator limitations.

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COURSE: 001359 TITLE: Technical Writing Skills CREATION DT:  
08/16/99 STATUS: A SESSION: Y  
LONG TITLE: Technical Writing Skills

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 7 /12 COURSE CATEGORY: HR Human  
Resources  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 14.H 250.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Gephart,Julie M  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: Technical Writing Skills Workbook

INTENDED AUDIENCE: Designed for those who write technical material such as reports, journal articles, procedures, proposals.

SUMMARY: Technical Writing Skills is a two-day workshop that focuses on the process for writing a technical document. Topics include defining the audience, organizing the material, writing, English usage, proposal and procedures writing.

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COURSE: 001360 TITLE: Effective Writing CREATION DT:  
08/18/99 STATUS: A SESSION: Y  
LONG TITLE: Effective Writing

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 7 /12 COURSE CATEGORY: HR Human  
Resources  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 14.H 250.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Anderson,Catherine A  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: Effective Writing Workbook

INTENDED AUDIENCE: This workshop is designed for those who write  
letters, memos, e-mail messages, faxes, or short informal reports that  
are interested in improving their writi  
ng/editing skills.

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SUMMARY: Effective Writing is a two-day workshop that focuses on organizing material for maximum impact, writing for a specific audience, revising for clarity, and solving punctuation problems.

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COURSE: 001367 TITLE: Safe Transpt of Reg Med Waste CREATION DT: 09/27/99  
STATUS: A SESSION: N  
LONG TITLE: Safe Transportation of Regulated Medical Waste

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: HMS  
Hazardous Material  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 2.H 0.00 RENEWAL COURSE/TIME/INTV: 0 Y  
TECHNICAL CONTACT: Webster,Kyle S  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNL-MA-900, "PNNL Hazardous Materials Shipping Manual"  
49 CFR 171-180, USDOT Hazardous Materials Re

INTENDED AUDIENCE: Staff at 331 and LSLII buildings (i.e. haz mat employees as defined in 49 CFR 171.8) that package biological waste that is managed as regulated medical waste and is offered to a private carrier for disposal must be trained and tested in applicable US

SUMMARY: This course will cover the USDOT hazardous material requirements that must be satisfied by a Battelle staff member to ensure that regulated medical waste is properly prepared (packaged, marked, labeled and preparation of shipping papers) in accordance with USDOT Hazardous material Regulations when offered for transportation by a private carrier.

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COURSE: 001373 TITLE: RPL 40A Waste Tk Insp/Leak Det CREATION DT: 11/01/99  
STATUS: A SESSION: N  
LONG TITLE: RPL Building 40A Waste Tank Remote Inspections and Leak Detection

DELIVERY METHOD: On-the-Job Training RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I

DURATION TIME/INTV/COST: 1.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Faulk,Darrin E  
SCHEDULE CONTACT: Faulk,Darrin E  
REFERENCE: Operating Procedure HWTU-030 40A, Waste Tank Remote Visual  
Inspection  
INTENDED AUDIENCE: Staff who will perform remote visual inspections of  
the 40A Tank system in the basement of the Radiochemical Processing  
Laboratory (RPL).

SUMMARY: OJT training will consist of reading tank inspection procedure  
HWTU-030 40A Waste Tank Remote Visual Inspection. Following the reading  
assignment, a demonstration of  
the remote inspection procedure will be given by the trainer. Topics  
covered include: required inspection areas within the tank system;  
optimum viewing locations; inspection equ  
ipment operation; leak detection; current condition of the waste tanks;  
completion of the daily inspection log; and emergency response. The  
trainee will th

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COURSE: 001374 TITLE: RPL TK-1 Remote Insp/Leak Det CREATION DT:  
11/01/99 STATUS: A SESSION: N  
LONG TITLE: RPL Building TK-1 Remote Inspections and Leak Detection

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 0 Y

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MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SOP Safe  
Operating Procedures  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Faulk,Darrin E  
SCHEDULE CONTACT: Faulk,Darrin E  
REFERENCE: Operating Procedure HWTU-029, TK-1 Remote Visual Inspection

INTENDED AUDIENCE: Staff who will perform remote visual inspections of  
the TK-1 Tank system in Room 32 of the Radiochemical Processing  
Laboratory (RPL).

SUMMARY: OJT training will consist of reading tank inspection procedure  
HWTU-029 TK-1 Remote Visual Inspection. Following the reading  
assignment, a demonstration of the remote  
inspection procedure will be given by the trainer. Topics covered  
include: required inspection areas within the tank system; optimum  
viewing locations; inspection equipment operation; leak detection; current condition of the waste tanks; completion  
of the daily inspection log; and emergency response. The trainee will  
then perform

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COURSE: 001375 TITLE: Two-Person Rule CREATION DT:  
10/11/99 STATUS: A SESSION: N  
LONG TITLE: Two-Person Rule Reading Assignment

DELIVERY METHOD: Web Based RETRAIN TIME/INTERVAL: 0 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: SEC Security  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: I  
DURATION TIME/INTV/COST: 0.H 0.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Luczynski,Gene W  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNL-MA-40, Security, Appendix B, Section 2.0

INTENDED AUDIENCE: All staff and non-staff with security clearances  
and access to classified matter or facilities containing classified  
matter who are required to take course  
375 and 1079.

SUMMARY: This reading assignment supplements courses 375 and 1079 and  
is part of the Laboratory's implementation of the "two person rule" for  
storing and securing classified ma

tter. This procedure is being implemented in order to mitigate and reduce the number of security infractions that deal with securing and/or storage of classified matter.

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COURSE: 001385 TITLE: Wire Rope/Rigging Requal CREATION DT:  
10/05/99 STATUS: A SESSION: N  
LONG TITLE: Wire Rope/Rigging Requal

DELIVERY METHOD: Instructor Led RETRAIN TIME/INTERVAL: 3 Y  
MIN/MAX STUDENTS: 0 /0 COURSE CATEGORY: MS  
Maintenance Services  
REVISION DT/NBR: 0 EXTERNAL/INTERNAL: E  
DURATION TIME/INTV/COST: 8.H 89.00 RENEWAL COURSE/TIME/INTV:  
0 Y  
TECHNICAL CONTACT: Berger,James E  
SCHEDULE CONTACT: Rhoads,Corinne D  
REFERENCE: PNL-MA-43, Section 8

INTENDED AUDIENCE:

SUMMARY: This course requalifies students in proper rigging-tackle inspection by covering wire rope inspection, rigging and rigging hardware inspection.



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End of Report

